DIGITAL CAMERA

Ferrari DIGITAL MODEL 2004 REFERENCE MANUAL



- Thank you for purchasing an Olympus digital camera. Before you start to use your new camera, please read these instructions carefully to enjoy optimum performance and a longer service life. Keep this manual in a safe place for future reference.
- We recommend that you take test shots to get accustomed to your camera before taking important photographs.
- The screen and camera illustrations shown in this manual were produced during the development stages and may differ from the actual product.

For customers in North and South America

For customers in USA

Declaration of Conformity

Model Number : Ferrari DIGITAL MODEL 2004

Trade Name : OLYMPUS

Responsible Party: Olympus America Inc.

Address : 2 Corporate Center Drive, Melville, New York

11747-3157 U.S.A.

Telephone Number: 1-631-844-5000

Tested To Comply With FCC Standards

FOR HOME OR OFFICE USE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

For customers in Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

For customers in Europe



"CE" mark indicates that this product complies with the European requirements for safety, health, environment and customer protection.

"CE" mark cameras are intended for sales in Europe.

Trademarks

- IBM is a registered trademark of International Business Machines Corporation.
- Microsoft and Windows are registered trademarks of Microsoft Corporation.
- · Macintosh is a trademark of Apple Computer Inc.
- All other company and product names are registered trademarks and/or trademarks of their respective owners.
- The standards for camera file systems referred to in this manual are the "Design Rule for Camera File System/DCF" standards stipulated by the Japan Electronics and Information Technology Industries Association (JEITA).

What you can do with this camera You can choose from more than 20 different types of scene shooting modes, making it easy to set the appropriate shooting mode for a variety of shooting

situations! Once you've selected the shooting mode, just press the shutter button to take the picture. G P. 34 You can take sequential shots (F P. 61), or record movies with sound (P. 36). The pictures you take are recorded and stored on the xD-Picture Card. You can create photo albums from the pictures stored on the xD-Picture Card. F P. 104 When the camera is in the cradle The battery can be recharged with the AC When the camera is connected adapter. 🕼 P. 27 to a PC or printer... You can transfer the images to the PC. @ P. 171 99999999 You can print out stored pictures directly with a PictBridgecompatible printer without Images can be played back

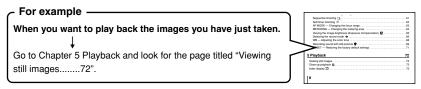
using the PC. F P. 146 on a TV with the AV cable. □ P. 87

How to use this manual

This manual includes a table of contents, index and menu list to help you easily locate the information you need.

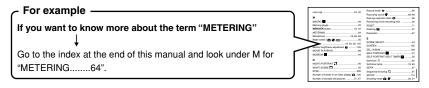
Searching the table of contents 3 P. 7

All the chapter and section titles are included in the table of contents so that you can quickly find the chapters you want to read (e.g., the introductory chapter, shooting basics, etc.)



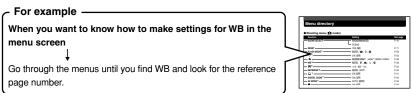
Searching the index 3 P. 208

Terms used in this manual (such as the names of functions and parts) are listed in alphabetical order. When you come across a term that you are not familiar with or about which you want to learn more, you can search the index to find the relevant page.



Searching the list of menus 3 P. 204

The camera's menus are listed in a tree structure. When you come across a menu whose name is unfamiliar on the menu screen, you can find the relevant pages for this menu function in the menu list.



^{*} For information on how to read the instructions in this manual, refer to "How to read the instruction pages" (P. 6)

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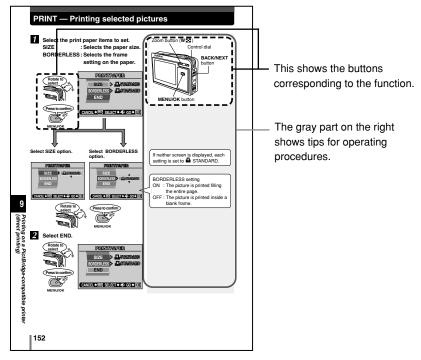
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How to read the instruction pages



This sample page is only for your reference. It may differ from the actual page in this manual.

Indications used in this manual

9	Important information on factors which may lead to a malfunction or operational problems. Also warns of operations that should be absolutely avoided.
I	Useful information and hints that will help you get the most out of your camera.

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Safety precautions



CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED OLYMPUS SERVICE PERSONNEL.



Lightning flash with an arrowhead, enclosed in a triangle, alerts you to the presence of uninsulated voltage points inside the product which could cause a serious electrical shock



An exclamation mark enclosed in a triangle alerts you to important operating and maintenance instructions in the documentation provided with the product.

WARNING!

TO AVOID THE RISK OF FIRE OR ELECTRICAL SHOCK, NEVER EXPOSE THIS PRODUCT TO WATER OR OPERATE IN A HIGH HUMIDITY ENVIRONMENT.

General precautions

described in the instructions.

- **Read All Instructions** Before you use the product, read all operating instructions. For more information on accessories such as the lithium ion battery, refer to the manuals provided with those products.
- **Save These Instructions** Save all safety and operating instructions for future reference. **Heed Warnings** Read carefully and follow all warning labels on the product and those
- Follow Instructions Follow all instructions provided with this product.
- Cleaning Always unplug this product from the wall outlet before cleaning. Use only a damp cloth for cleaning. Never use any type of liquid or aerosol cleaner, or any type of organic solvent to clean this product.
- Attachments For your safety, and to avoid damaging the product, use only accessories recommended by Olympus.
- Water and Moisture Never use this product around water (near a bathtub, kitchen sink, laundry tub, wet basement, swimming pool or in the rain).
- Location To avoid damage to the product and prevent personal injury, never place this product on an unstable stand, tripod, bracket, table or cart. Mount only on a stable tripod, stand, or bracket. Follow the instructions that describe how to safely mount the product, and use only the mounting devices recommended by the manufacturer.
- Power Sources Connect this product only to the power source described on the product label. If you are not sure about the type of power supply in your home, consult your local power company.
 - Refer to instruction pages for information on using the product with a battery.
- Grounding, Polarization If this product is used with a specified AC adapter, the adapter may be equipped with a polarized alternating current line plug (a plug with one blade wider than the other). This safety feature allows the plug to fit into the power outlet only one way. If you cannot insert the plug into the wall outlet, pull it out, reverse it, and then reinsert it. If the plug still fails to fit, contact an electrician and have the receptacle replaced.

- Protecting the Power Cord The power supply cord should be placed so it will not be walked on. Never put a heavy object on the power cord or wrap it around the leg of a table or chair. Keep the area around the power cord connection points, at the power outlet, and at the product connection, free of all AC adapter or accessory power cords.
- Lightning If a lightning storm occurs while using a specified AC adapter, remove it from the wall outlet immediately. To avoid damage from unexpected power surges, always unplug the AC adapter from the power outlet and disconnect it from the camera when the camera is not in use.
- Overloading Never overload wall outlets, extension cords, power strips, or other power connection points with too many plugs.
- Foreign Objects, Liquid Spillage To avoid personal injury caused by fire or electrical shock from contact with internal high voltage points, never insert a metal object into the product. Avoid using the product where there is a danger of spillage.
- **Heat** Never use or store this product near any heat source such as a radiator, heat register, stove, or any type of equipment or appliance that generates heat, including stereo amplifiers.
- **Servicing** Refer all servicing to qualified personnel. Attempting to remove the covers or disassemble the product, could expose you to dangerous high voltage points.
- Damage Requiring Service If you notice any of the conditions described below while using a specified AC adapter, unplug it from the wall outlet and refer servicing to qualified service personnel:
 - a) Liquid has been spilled onto the product or some other object has fallen into the product.
 - b) The product has been exposed to water.
 - c) The product does not operate normally despite following operating instructions. Adjust only the controls described in the operating instructions as improper adjustment of other controls could damage the product and require extensive repair work by a qualified technician.
 - d) The product has been dropped or damaged in any way.e) The product exhibits a distinct change in performance.
- Replacement Parts When replacement parts are required, make sure that the service center uses only parts with the same characteristics as the originals, as recommended by the manufacturer. Unauthorized substitution of parts could result in fire, electrical shock, or create other hazards.
- Safety Check Upon completion of servicing or repairs, ask the service technician to perform safety checks to determine that the product is in good working order.



If the product is used without observing the information given under this symbol, serious injury or death may result.



If the product is used without observing the information given under this symbol, injury or death may result.



If the product is used without observing the information given under this symbol, minor personal injury, damage to the equipment, or the loss of valuable data may result.

Handling the camera



WARNING

- IF Do not use the camera near flammable or explosive gases.
- To avoid causing a fire or explosion, never use the camera near flammable or explosive gases.
- F Do not use the flash on people (infants, small children, etc.) at close range.
- Use caution when taking flash pictures at close range. When you fire the flash, you must be at least 1m (3ft) away from the faces of your subjects, especially when taking pictures of infants and small children. Firing the flash too close to the subject's eyes could cause a momentary loss of vision.
- F Keep young children and infants away from the camera.
- Always use and store the camera out of the reach of young children and infants to prevent the following dangerous situations which could cause serious injury:
 - Becoming entangled in the camera strap or power cords, causing strangulation.
 - Accidentally swallowing the battery, cards or other small parts.
 - Accidentally firing the flash into their own eyes or those of another child.
 - Accidentally being injured by the moving parts of the camera.
- Do not touch the camera, cradle or AC adapter until charging is finished and the battery have cooled.
- The camera and cradle become hot while charging. A specified AC adapter also becomes hot during long use. At these times, they may cause minor burns.
- Do not use or store the camera in dusty or humid places.
- Using or storing the camera in dusty or humid places may result in a fire or electric shock.
- Do not cover the flash with a hand while firing.
- Do not cover the flash with a hand while firing or touch it after it has just been fired. It may be hot
 and cause minor burns. Avoid using the flash for extended periods.
- IF Do not take apart or modify the camera.
- Never attempt to disassemble the camera. The internal circuits contain high voltage points which could cause serious burns or electrical shock.
- Do not let water or foreign objects inside the camera.
- If the camera is accidentally dropped in water, or if liquid is spilled into the camera, stop using it, allow it to dry, and then remove the battery. Contact the nearest authorized Olympus service center.



- Stop using the camera immediately if you notice any unusual odors, noise, or smoke around it.
- If you notice any unusual odors, noise, or smoke around the camera during operation, switch it off immediately and disconnect a specified AC adapter (if attached). Allow the camera to sit idle for a few minutes to cool. Take the camera outdoors, away from flammable objects, and carefully remove the battery. Never remove the battery with bare hands, which may cause a fire or burn your hands. Contact the nearest Olympus service center immediately.
- Do not use the camera with wet hands.
- To avoid dangerous electrical shock, never hold or operate the camera with wet hands. Also, do
 not connect or disconnect the power plug with wet hands.
- Do not leave the camera in places where it may be subject to extremely high temperatures.
- Doing so may cause parts to deteriorate and, in some circumstances, cause the camera to catch
 fire. Do not use the cradle or AC adapter if it is covered (such as a blanket). This could cause
 overheating, resulting in fire.
- Be careful with the strap.
- Be careful with the strap when you carry the camera. It could easily catch on stray objects —and cause serious damage.
- IF Use only the AC adapter specified by Olympus.
- Never use any AC adapter except one specified by Olympus. Using a different AC adapter may
 damage the camera or power source, or result in accidents or fire. Ensure the adapter used is
 designed for your region or country. For more information, contact the nearest Olympus service
 center or the store of purchase. Olympus makes no representations or warranties regarding any
 damages caused by AC adapters not recommended by Olympus.
- Do not damage the power-supply cord.
- Never pull or modify the power-supply cord. Make sure only the plug is securely held during insertion and removal from the outlet.
 - Stop using the camera immediately, and contact the nearest Olympus service center or the store of purchase if:
 - The power-supply cord becomes hot, or it gives off smoke or unusual odors.
 - The power-supply cord is cut or damaged, or the plug has a faulty contact.

Caution for usage environment

- To protect the high-precision technology contained in this product, never leave the camera in the places listed below, no matter if in use or storage:
 - Places where temperatures and/or humidity are high or go through extreme changes.
 Direct sunlight, beaches, locked cars, or near other heat sources (stove, radiator, etc.) or humidifiers
 - In sandy or dusty environments.
 - Near flammable items or explosives.
 - In wet places, such as bathrooms or in the rain.
 - In places prone to strong vibrations.
- Never drop the camera or subject it to severe shocks or vibrations.
- When mounted on a tripod, adjust the position of the camera with the tripod head. Do not twist
 the camera.
- Do not touch electric contacts on cameras.
- Do not leave the camera pointed directly at the sun. This may cause lens damage, color failure, ghosting on the CCD, or may possibly cause fires.
- Condensation may form inside the camera when there is a sudden extreme change in temperature (such as when moving from indoors to outdoors). Acclimatize the camera to the temperature (e.g. by putting the camera into the plastic bag) before use.

Battery handling precautions

Follow these important guidelines to prevent the battery from leaking, overheating, burning, exploding, or causing electrical shocks or burns.

Λ

DANGER

- This camera uses an lithium ion battery specified by Olympus. Do not use any other type of battery. Using any other type of battery could result in battery leakage or overheating, posing a risk of fire or explosion. For safe and proper use, read the battery's instruction manual carefully before using it.
- Never heat or incinerate the battery.
- Take precautions when carrying or storing the battery to prevent it from coming into contact with any metal objects such as jewelry, pins, fasteners, etc.
- Never store the battery where it will be exposed to direct sunlight, or subjected to high temperatures in a hot vehicle, near a heat source, etc.
- To prevent causing battery leaks or damaging its terminals, carefully follow all instructions regarding the use of the battery. Never attempt to disassemble the battery or modify it in any way, by soldering, etc.
- If battery fluid gets into your eyes, flush your eyes immediately with clear, cold running water and seek medical attention immediately.
- Always store the battery out of the reach of small children. If a child accidentally swallows the battery, seek medical attention immediately.

WARNING

- Keep the battery dry at all times. Never allow it to come into contact with fresh or salt water.
- If the rechargeable battery has not been recharged within the specified time, stop charging it and do not use it.
- Do not use the battery if it is cracked or broken.
- If the battery leaks, becomes discolored or deformed, or becomes abnormal in any other way during operation, stop using the camera and consult your dealer or an authorized Olympus service center. Continued use may result in fire or electric shock.
- If the battery leaks fluid onto your clothing or skin, remove the clothing and flush the affected area with clean, running cold water immediately. If the fluid burns your skin, seek medical attention immediately.
- Never attempt to modify the battery compartment on the camera, never insert anything (other than the specified battery) into the compartment.
- Never subject the battery to strong shocks or continuous vibration.

$\overline{\mathbb{A}}$

CAUTION

- If the battery's +/- terminals get wet or greasy, camera contact failure may result. Wipe the battery well with the dry cloth before use.
- Always charge a battery when using it for the first time, or if it has not been used for a long period.
- The battery may become hot during prolonged use. To avoid minor burns, do not remove it immediately after using the camera.
- When operating the camera with battery power at low temperatures, try to keep the camera and spare the battery as warm as possible. The battery which run down at low temperatures may be restored after it is warmed at room temperature.
- The number of pictures you can take may vary depending on the shooting conditions or battery.
- Before going on a long trip, and especially before traveling abroad, purchase extra batteries.
 A recommended battery may be difficult to obtain while traveling.

LCD monitor

- Do not push the monitor forcibly; otherwise the image may become vague, resulting in a
 playback mode failure or damage to the monitor. If the monitor is damaged, be careful not to get
 any of the liquid crystals from the monitor in your month. If liquid crystals get on your limbs or
 clothes, cleanse it away.
- A strip of light may appear on the top/bottom of the monitor, but this is not a malfunction.
- When a subject is viewed diagonally in the camera, the edges may appear zigzagged on the monitor. This is not a malfunction; It will be less noticeable in playback mode.
- In places subject to low temperatures, the LCD monitor may take a long time to turn on or its
 color may change temporarily. When using the camera in extremely cold places, it is a good idea
 to occasionally place it in a warm place. A LCD monitor exhibiting poor performance due to low
 temperatures will recover in normal temperatures.
- The LCD monitor is made with high-precision technology. However, black spots or bright spots of light may appear constantly on the LCD monitor. Due to its characteristics or the angle at which you are viewing the monitor, the spot may not be uniform in color and brightness. This is not a malfunction.

FCC Notice

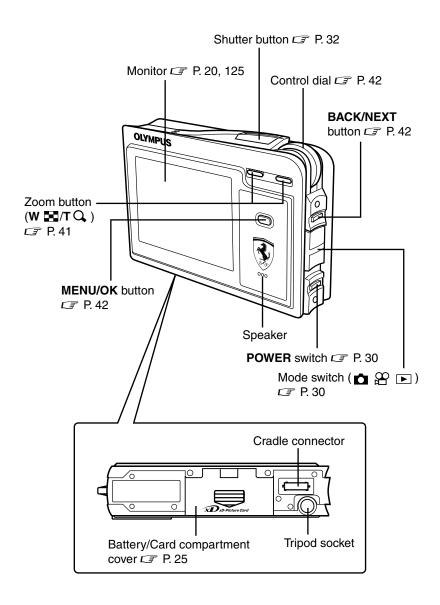
Radio and Television Interference

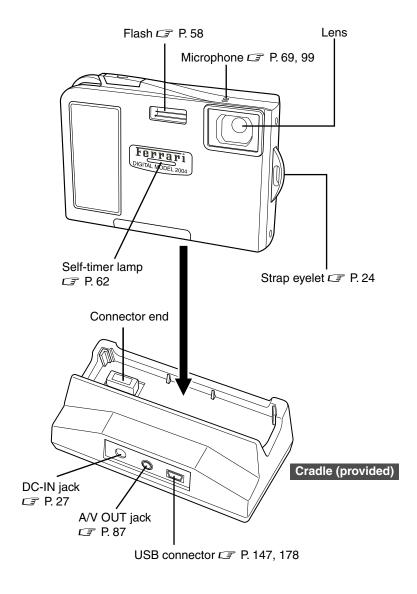
Change or modifications not expressly approved by the manufacturer may void the user's authority to operate this equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Adjust or relocate the receiving antenna.
- Increase the distance between the camera and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult your dealer or an experienced radio/TV technician for help.
 Only the OLYMPUS-supplied USB or IEEE1394 cables should be used to connect the camera to USB or IEEE1394-enabled personal computers (PC).

Any unauthorized changes or modifications to this equipment would void the user's authority to operate.

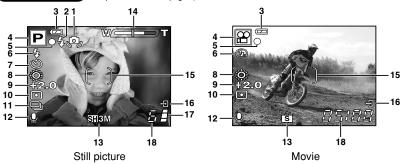




Monitor indications

Shooting mode

(Screen illustrations below are samples for monitor indications. For details, refer to respective reference pages.)



	Items	Indications	Ref. page
1	Camera movement warning		P. 59
2	Flash stand-by/	🗲 (Lit)	P. 59
	Flash charging mark	\$ (Blinks)	
3	Battery check	, (4)	P. 23
4	Shooting modes		P. 42
5	Green lamp	0	P. 32
6	Flash modes	◎ , \$, ③	P. 58
7	Self-timer	৩	P. 62
8	White balance	*, 凸, ♣, 黨	P. 68
9	Exposure compensation	-2.0 to +2.0	P. 65
10	Metering mode	•	P. 64
11	Sequential shooting mode		P. 61
12	Sound record	•	P. 69
13	Record mode	Still image: SH3M,H2M,B1M,	P. 66

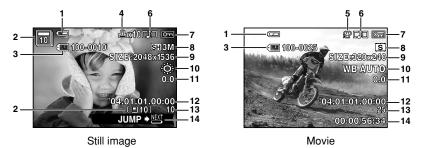
	Items	Indications	Ref. page
14	Zoom	W	P. 41, 60
15	AF target mark	[]	P. 31
16	Card access mark	中	P. 32
17	Memory gauge	3 , 3 , 3	P. 23
18	Number of storable still pictures	6	P. 67
	Remaining movie recording time	05:00	P. 36

Playback mode

(Screen illustrations below are samples for monitor indications. For details, refer to respective reference pages.)

You can select how much information to display on the monitor. Screens when INFO is set to ON are shown below.

"INFO — Displaying shooting information on the monitor" (P. 118)



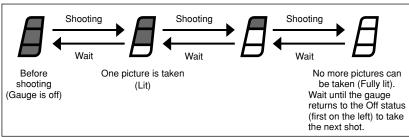
	Items	Indications	Ref. page
1	Battery check	, , ,	P. 23, 27
2	Album	(Displaying only images in albums)	P. 108
		(10) (Displaying all images)	P. 118
3	File number	· III 100-0010	P. 118
4	Print reservation, Number of prints	□ X 10	P. 139
5	Movie	82	P. 88
6	Sound record		P. 69
7	Protect	ОП	P. 92
8	Record mode	Still image : SH3M,H2M,B1M,	P. 66
		⊠ VGA	
		Movie : S , E	
9	Resolution	2048x1536, 1600x1200 etc.	P. 67
10	White balance	※, 色, ♣, 黨	P. 68
11	Exposure compensation	-2.0 to +2.0	P. 65
12	Date/time	'04.05.17 15:30	P. 127
13	Frame number	10	P. 110
14	Operation guide	JUMP ♦ NEXT	P. 72
	Elapsed playback time/Overall	00:00/56:34	P. 88
	recording time (movie)		

Memory gauge

The memory gauge lights up when the camera is storing a still picture you have just taken on the card. The memory gauge indication changes as shown below depending on the shooting status.

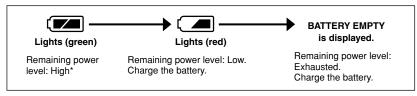
If the memory gauge is fully lit, wait a few seconds until it goes off to take the next shot.





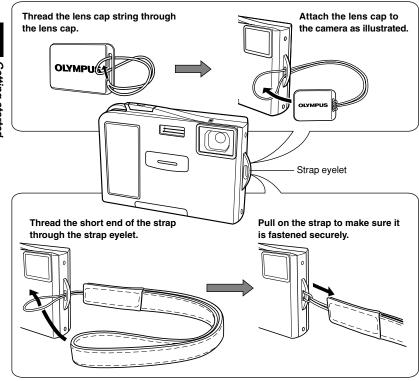
Battery check

If the remaining battery power is low, the battery check indication changes as follows when the camera is turned on or while the camera is in use.



^{*} Your digital camera's power consumption varies greatly depending on usage and operating conditions. Under some operating conditions, the camera may turn off without warning that battery power is low. If this occurs, re-charge the battery.

Attaching the lens cap and strap



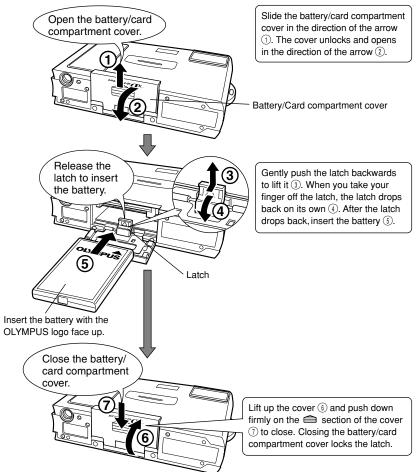
Strap precautions

- Do not pull on the strap too hard when it is attached to the camera as this could break the strap.
- Be careful with the strap when carrying the camera, as the strap can easily catch on stray objects, causing serious damage.
- Attach the strap correctly as shown above so that the camera does not fall off.
 Olympus is not responsible for any damages incurred when the strap is attached incorrectly and the camera comes off.

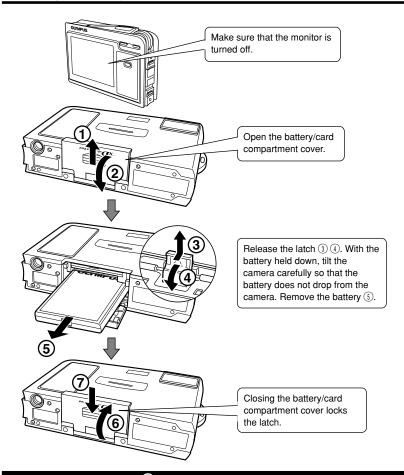
Loading the battery

The camera uses an Olympus lithium-ion battery (LI-20B). Do not use any other type of battery.

A backup battery (optional) is recommended for extended battery-powered operation.



Unloading the battery



Battery precautions

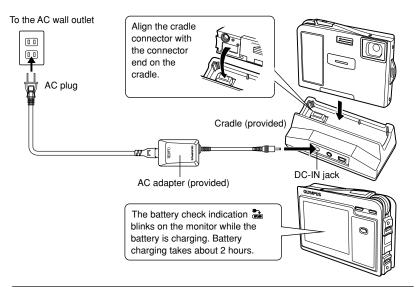
- Your digital camera's power consumption varies greatly depending on usage and operating conditions. If you use a depleted battery, the camera may power off without displaying the battery check indication (P. 23).

Charging the battery

This camera uses an Olympus lithium-ion battery (LI-20B). Do not use any other type of battery.

The battery is not fully charged when purchased. Before use, be sure to charge the battery with the provided cradle and AC adapter.

Charging is performed with the battery loaded in the camera.



We recommend that you use the AC adapter for any tasks of extended duration such as downloading images to the PC, printing out images, etc.

"Accessories — AC adapter" (P. 190)

Using the AC adapter overseas -

When you use the AC adapter overseas, a multiplug is required to allow the plug to fit into local power outlets. For details on multiplugs, consult a travel agency.

Precautions on charging the battery

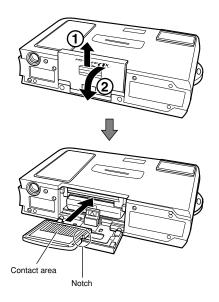
- The camera can also use an optional charger (LI-20C). Do not use any other type of battery charger than the specified charger.
- Before charging the battery, be sure to read "Safety precautions" (F P. 12) and "Accessories AC adapter" (F P. 190).

"Card" in this manual refers to the xD-Picture Card. The camera uses the card to record pictures.

Index area Write the card's contents here. Contact area The area that touches the camera's electric contact points. The camera reads the card here.

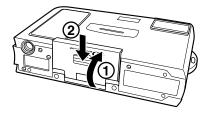
Compatible xD-Picture Card: 16 - 512 MB

- Make sure that the monitor is turned off.
- 2 Insert the card, making sure that the card is oriented as shown in the illustration.



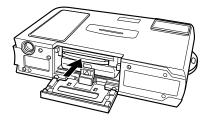


- · Insert the card while keeping it straight.
- · When the card is inserted all the way, it stops with a click.
- · Inserting the card the wrong way or at an angle could damage the contact area or cause the card to iam.
- · If the card is not inserted all the way, data may not be written to the card.

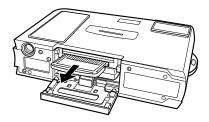


Removing the card

- Make sure that the monitor is turned off.
- Push the card all the way to unlock it, then let it return slowly.



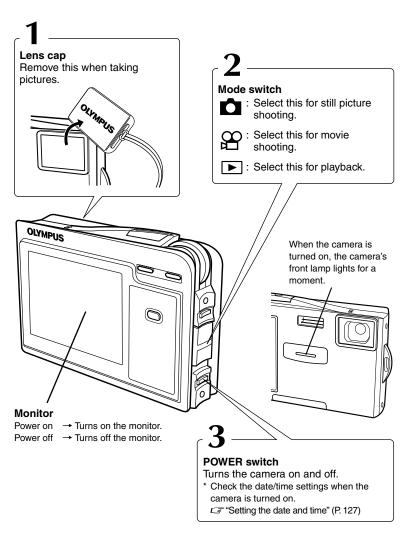
3 Hold the card straight and pull it out.



The card may eject forcefully if you take your finger off it immediately after pushing it or if you flick it with your fingers.

Card precaution

Be sure to read "Accessories — Card" (F. 191).



The camera automatically turns off to save power if it is not operated for about 10 minutes. When the AC adapter is used, the camera does not switch off automatically.

Now, you are ready for shooting. Let's take some pictures. GP P. 31

2 Shooting

Taking still pictures

1 Set the mode switch to **\Omega**.



2 Turn on the camera.

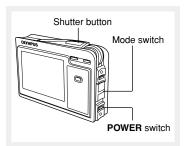


Shooting mode FP. 42



Number of storable still pictures 3 P. 67

Place the AF target mark on the subject while viewing the monitor to compose your shot.



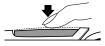
Hold the camera firmly with both hands while keeping your elbows at your sides to prevent camera movement. While shooting vertically using the flash, hold the camera so that the flash is higher than the lens.



Keep your fingers and the strap away from the lens and flash.

4 Adjust the focus.

Press the shutter button gently (halfway).



Green lamp F P. 38

Flash stand-by/Flash charging mark 🕼 P. 59

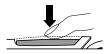


- When the focus and exposure are locked, the green lamp lights steadily.

 The *L* (flash stead by) results
- The **\$** (flash stand-by) mark lights when the flash fires.

5 Release the shutter.

Press the shutter button all the way (fully).





Card access mark F P. 33

- When a picture is taken, a shutter sound is output.
- The (card access) mark blinks and the camera starts recording the picture.
- Press the shutter button gently. If it is pressed hard, the camera may move and pictures may come out blurred.

To check the picture immediately after shooting:

"REC VIEW — Checking the picture immediately after shooting" (P. 117)

If the green lamp blinks when the shutter button is pressed halfway

- → You are too close to the subject. Take the picture at least 50 cm (19.7") away from the subject, or try macro shooting (□ P. 48) or super macro shooting (□ P. 48).
- → The subject is out of focus. Depending on the subject, focus may not be possible.
 □ "If correct focus cannot be obtained" (P. 38)

Notes on shooting

- The camera automatically turns off if it is not operated for about 10 minutes.
 Press the POWER switch to turn on the camera.
- Never remove the battery, card or AC adapter while the mark is blinking.
 Doing so could destroy stored pictures and prevent storage of pictures you have just taken.
- When taking pictures against strong backlight, the area of the picture in shadow may appear colored.
- When you point the lens toward a bright object, vertical lines (smears) may appear on the monitor. However, this does not affect the actual recorded pictures.

2

Specifying the type of scene

You can capture a high-quality picture in any shooting situation by choosing one of the various shooting modes provided with this camera.





LANDSCAPE F. 45

LANDSCAPE+PORTRAIT

NIGHT SCENE 🕼 P. 45







NIGHT+PORTRAIT

💹 INDOOR 🕼 P. 46

FIREWORKS F P. 46







SUNSET F P. 47

PORTRAIT 🕼 P. 47

SELF PORTRAIT F. 47







MACRO F. 48

SUPER MACRO F P. 48

CUISINE F. 48

Motion JPEG Image & Sound Recording*

With the provided 8MB SmartMedia, Motion JPEG image & sound recording up to 15 seconds in HQ mode (320x240 pixels) or 62 seconds in SQ mode (160x120 pixels) is possible.

Built-In Microphone

With the built-in microphone, you can record up to 4 seconds or sound per still image.

Picture Effects

Black & White, Sepia, White Board, or Black Board can be selected, giving you greater control over image style. With White Board and Black Board modes, pictures of letters can be taken extra-clearly.





■ MUSEUM 🕼 P. 49



SPORT F P. 49









■ BEACH & SNOW 🖙 P. 50

SELF PORTRAIT+ SELF TIMER F P. 50

W CANDLE **□** P. 50



■ AVAILABLE LIGHT PORTRAIT P. 51



BEHIND GLASS 🖅 P. 51



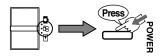
12 2 IN 1 F P. 52



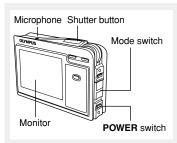
PANORAMA F P. 53

You can record movies and sound simultaneously.

1 Turn on the camera in the $\stackrel{\text{def}}{=}$ mode.



Compose your shot while viewing the monitor.



Flash cannot be used.



P. 39

Remaining movie recording time (hour: min. : sec.)

- The subject can be magnified using the zoom button.

 □ "Zoom" (P. 41)
- The remaining recording time depends on the selected record mode, free space available on the card, etc. F "Selecting the record mode" (P. 66)

3 Start recording.

Press the shutter button fully.

Displayed in red during recording





Focus and optical zoom are locked during movie recording, but digital zoom can be used.

"" "DIGITAL ZOOM — Using the digital zoom" (P. 60)

4 Stop recording.

Press the shutter button fully again.





blinks while the movie is being stored on the card.

Notes on recording movies

- When the remaining recording time has been used up, recording stops automatically.
- Sound may not be recorded clearly in the following situations.
 - When the microphone is covered with your fingers
 - When the camera is more than 1 m (3.3 ft.) away from the source of the sound

Subjects that are difficult to focus on

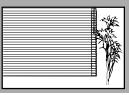
Under the following conditions, auto focus may not work properly.

The green lamp blinks:

The subject cannot be brought into focus.







Subjects with low contrast

Subjects in excessively bright light in the center of the frame

Subjects with no vertical lines

The green lamp lights, but the subject cannot be brought into focus.



Subjects with different distances



Fast-moving subjects



The subject you are focusing on is not in the center of the frame.

If this happens, focus on a high-contrast object the same distance away as the intended subject, recompose your shot and then take the picture. If the subject has no vertical lines, hold the camera vertically and adjust the focus, then return the camera to the horizontal position to take the picture.



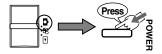
[&]quot;Determine the position of the subject after focusing (Focus Lock)" 39

Determine the position of the subject after focusing (Focus Lock)

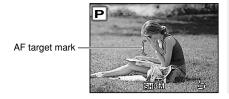
When the subject you want to focus on is not in the center of the frame and you cannot position the AF target mark on it, you can focus the camera on another point at roughly the same distance (focus lock) and take the picture as explained below.

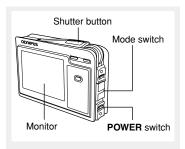


1 Turn on the power in the 🗖 mode.



Position the AF target mark on the subject you want to focus on.





3 Compose your shot.

Keep the shutter button pressed halfway until the green lamp lights.



Keeping the shutter button pressed halfway, recompose your shot.







When shooting a hard-to-focus subject, point the camera at an object about the same distance away as the subject.

The focus, exposure and white balance are locked (autofocus).

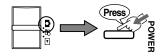
"If the green lamp blinks when the shutter button is pressed halfway" (P. 33)

If the focus lock does not work properly

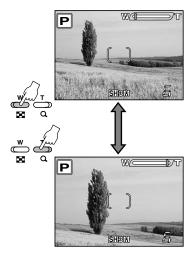
**GAF MODE — Changing the focus range" (P. 63)

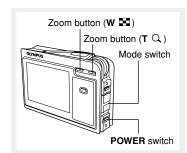
Telephoto and wide-angle shooting are possible at 3x magnification for optical zoom (equivalent to 38 mm to 114 mm on a 35 mm film camera). By combining the optical zoom with the digital zoom, zoom magnification can be increased to a maximum of approximately 8x. \square "DIGITAL ZOOM — Using the digital zoom" (P. 60)

1 Turn on the power in the
mode.



2 Press the zoom button.





3 Take the picture.

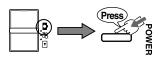
Notes on using the zoom

Camera movement is likely to occur at higher magnification during telephoto shooting. Stabilize the camera with a tripod, etc. to avoid camera movement.

3 Using the situation-related shooting modes

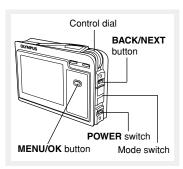
In addition to the basic shooting mode (Program Auto), more than 20 different shooting modes are available to suit a wide range of shooting situations. The camera automatically optimizes the settings for the shooting conditions and provides the effects you want.

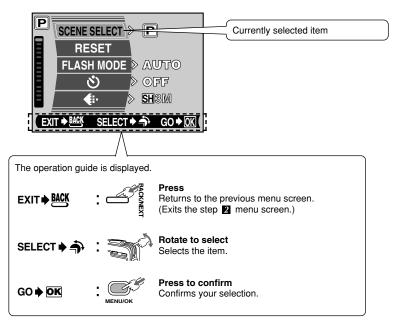




2 Display the menu.







Make sure SCENE SELECT is selected, and confirm it.



4. Select SCENE.









To return to the basic shooting mode (Program Auto), select PROGRAM AUTO.

PROGRAM AUTO shooting

The camera automatically optimizes settings to match the shooting conditions. This is the basic shooting mode suited for any shooting situation.



5 Select the shooting mode.





A sample image of the selected shooting mode is displayed.



T LANDSGAPE

For shooting
landscapes.

Vivid reproduction of blues and greens.

The corresponding icon appears.



A description of suitable shooting conditions for the selected mode replaces the sample image.

The menu screen disappears and the shooting screen appears.

To change the current camera settings

"Using your camera effectively" (P. 114)



LANDSCAPE



Suitable for shooting landscapes and other outdoor scenes.



LANDSCAPE+PORTRAIT



Suitable for shooting both main subject and background.



NIGHT SCENE



Suitable for shooting images of outdoor scenes in the evening or at night.
Usually a street at night makes a dark image with only the sparkle of lights such as street lamps due to the lack of brightness.
This mode allows you to capture the true appearance of the street.

 Since the shutter speed is slow, be sure to stabilize the camera by using a tripod.



NIGHT+PORTRAIT



Suitable for shooting both the main subject and background at night.

- Since the shutter speed is slow, be sure to stabilize the camera by using a tripod.
- The flash fires in the red-eye reduction mode.

 Flash" (P. 58)



INDOOR



Suitable for shooting both the main subject and background indoors. Clear reproduction of background as well.

• SUPER HIGH and HIGH cannot be selected.

"Selecting the record mode" (P. 66)



FIREWORKS



Suitable for shooting fireworks.



SUNSET



Suitable for taking sunset pictures. Vivid red and yellow color reproduction.

• The flash cannot be used.



PORTRAIT



Suitable for shooting a portrait-style image of a person.



SELF PORTRAIT



Allows you to take a picture of yourself while holding the camera. The focus is locked on you (shooter).

· Zoom position is fixed at W.





MACRO



For shooting from as close as 30 - 50 cm (11.8" - 20.0") to a subject.

• If you use the flash, shadows may be noticeable and the correct exposure may not be achieved.



SUPER MACRO



For shooting from as close as approx. 8 cm (3.2") to a subject.

- The flash cannot be used.
- · Zoom cannot be used.



CUISINE



Suitable for still life photography. Vividly reproduces colors of fruit, vegetables, flowers, etc.

• The red-eye reduction mode is not available.



DOCUMENTS

Motion JPEG Image & Sound Recording*

With the provided 8MB SmartMedia, Motion JPEG image & sound recording up to 15 seconds in HQ mode (320x240 pixels) or 62 seconds in SQ mode (160x120 pixels) is possible.

*Sound is recorded in Wave format.

Built-In Microphone

With the built-in microphone, you can record up to 4 seconds of sound per still image.

Picture Effects

Black & White, Sepia, White Board, or Black Board can be selected, giving you greater control over image style. With White Board and Black Board modes, pictures of letters can be taken extra-clearly.

Suitable for shooting documents, etc. Increases contrast between letters and background.

• The flash cannot be used.



MUSEUM



For shooting with no beep sound and flash. Useful in art gallery, museum, etc.

• SUPER HIGH and HIGH cannot be selected.

"Selecting the record mode" (P. 66)



SPORT



Suitable for capturing fast-moving action without blurring.



BEACH & SNOW



Suitable for shooting snow-capped mountain landscapes, white sand beaches, seascapes, etc.





SELF PORTRAIT+SELF TIMER



Useful when shooting pictures while traveling. Use the self-timer to take a picture of yourself and the background.



CANDLE



Suitable for shooting under candlelight. Warm colors are reproduced.

- The flash cannot be used.
- SUPER HIGH and HIGH cannot be selected.

 "Selecting the record mode" (P. 66)



AVAILABLE LIGHT PORTRAIT



Suitable for shooting sensitive subjects in lowlight conditions without a flash.

- The flash cannot be used.
- SUPER HIGH and HIGH cannot be selected.

 "Selecting the record mode" (P. 66)



BEHIND GLASS



Suitable for shooting a subject through glass.

12

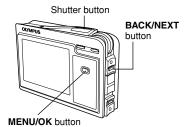
Assp



2 IN 1

Allows you to combine two pictures taken in succession and store them as a single picture.

- · Sequential shooting is not possible.
- Self-timer shooting and sound recording are not available.



1 Select 2 IN 1. 🖅 P. 42

2 Take the first shot.

- The subject will be on the left in the combined image.
- · To cancel the first shot, press BACK/NEXT.



3 Take the second shot in succession.

- The pictures are combined and stored as a single picture.
- The subject will be on the right in the combined image.
- To exit the 2-IN-1 shooting mode, press MENU/OK and select another situation-related shooting mode in the menu. IF P. 42





PANORAMA

You can take advantage of panorama shooting when you use an Olympus xD-Picture Card. Pictures with overlapping edges can be connected to form a single panoramic image with CAMEDIA Master software (included on the provided CD-ROM).

Shutter button Control dial





BACK/NEXT button

- 1 Select PANORAMA. 🕼 P. 42
- **2** Use the control dial to select the direction you want the images connected.
 - · Frames and arrows appear in the corresponding direction.





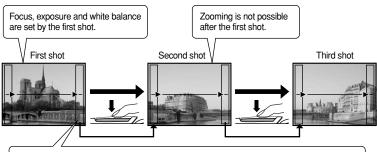




 $oldsymbol{3}$ Make sure that the edges of images overlap, then take your pictures.

• Panorama shooting is possible for up to 10 pictures.

Example: When connecting images from left to right.



Keeping the area in the frame at the edge of the screen in mind, position the camera so that the same area appears in the frame for the next image.

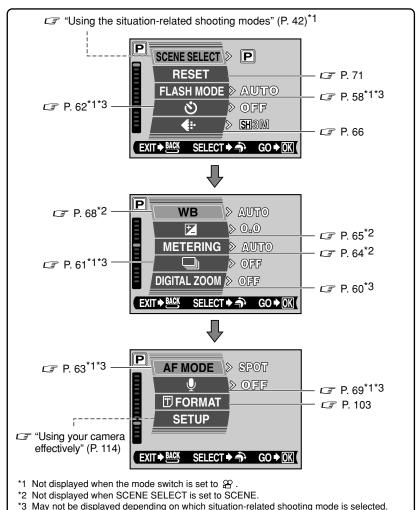
4 Press BACK/NEXT to finish panorama shooting.

- · The camera is ready to take another set of panorama shots.
- To exit the PANORAMA shooting mode, press MENU/OK and select another shooting mode in the menu. P. 42
- Panorama shooting is possible only when using the Olympus CAMEDIA-brand card.
- The following functions are not available during panorama shooting: flash shooting, sequential shooting, self-timer shooting, sound recording

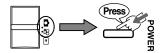
4 Using the advanced shooting functions

Selecting functions from the shooting menu

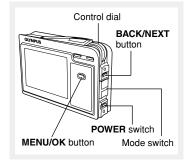
A number of useful menu functions available in each shooting mode (as shown below). Follow the basic procedure described on page 56 before you go to the particular instructions for each function.



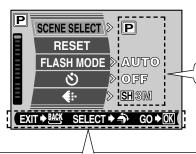
Turn on the camera in the or amode.



2 Display the menu.







The current setting is displayed.

The operation guide is displayed.

EXIT → BAC

BACKNED

Press

Returns to the previous menu screen. (Exits the step 2 menu screen.)

SELECT **→**

Rotate to select

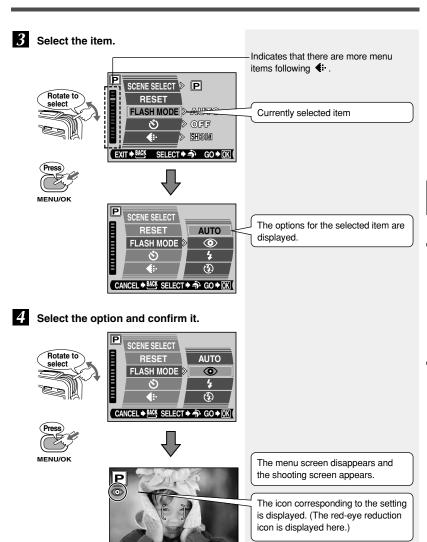
Selects the item.

GO **→ OK**

MENU/OK

Press to confirm

Confirms your selection.



Flash

You can select from 4 different flash modes depending on the light conditions and the effect you want to achieve.

Auto-flash (No indication)

Automatically fires in low-light and backlight conditions.

Red-eye reduction flash (③)

The light from the flash may make the subject's eyes appear red in the image. The red-eye reduction flash mode significantly reduces this phenomenon by emitting pre-flashes before firing the regular flash. This helps accustom the subject's eyes to the bright light and minimizes the red-eye phenomenon.



The subject's eyes appear red.

Fill-in flash (4)

The flash fires regardless of available light. This mode is useful for eliminating shadows on the subject's face (such as shadows from tree leaves) or for correcting the color shift produced by artificial lighting (especially fluorescent light).



Flash off (3)

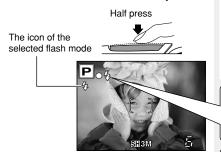
The flash does not fire even in low light conditions. Use this mode in situations where flash photography is not desired or is prohibited. You can also use this mode when you want to shoot a natural-looking twilight or night scene.

Control dial

BACK/NEXT button

Shutter button

- 1 Select FLASH MODE in the menu, then select the flash mode. P. 55
- 2 Press the shutter button halfway.



The **\$** (flash stand-by) mark lights when the flash is ready to fire. If the **\$** mark is blinking, the flash is charging. Wait until charging is complete.

3 Press the shutter button all the way down (fully) to take the picture.



Flash working range

MENU/OK button

W (max.) : Approx. 0.3 m - 3.6 m (1.0 ft - 11.8 ft)

T (max.) : Approx. 0.3 m - 2.0 m

(1.0 ft - 6.6 ft)

Notes on flash

- When using a situation-related shooting mode (P. 45), the flash may not be used.
- The flash cannot be used during movie recording.

 P. 36
- When there is a likelihood that camera movement will occur in the flash off mode, the (camera movement warning) mark blinks. Use the flash.

Red-eye reduction flash (①)

- After the pre-flash, it takes approximately 1 second before the shutter is released. Hold the camera firmly after the pre-flash to prevent camera movement
- Effectiveness may be limited if the subject is not looking directly at the preflashes, or if the shooting range is too far. Individual physical characteristics may also limit effectiveness.

Fill-in flash (\$)

• Fill-in flash may not have the desired effect under excessively bright light.

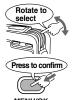
Flash off (3)

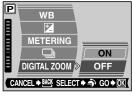
 Since a slow shutter speed is automatically selected in low-light situations when in the flash off mode, the use of a tripod is recommended to prevent your pictures from being blurred by camera movement.

DIGITAL ZOOM — Using the digital zoom

By combining the optical zoom with the digital zoom, zoom magnification can be increased to a maximum of approximately 8x.

Select DIGITAL ZOOM in the menu, then select ON. □ P. 55





BACK/NEXT button

MENU/OK button

Control dial

Zoom button (T Q)

2 Press the zoom button ($T^{\mathbb{Q}}$).



If the digital zoom is set to ON, a red area appears on the zoom indicator. When you reach the limit of the optical zoom, the digital zoom is enabled.

Notes on digital zoom

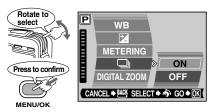
- Pictures taken using digital zoom may appear grainy.
- Camera movement is likely to occur at higher magnification during telephoto shooting. Stabilize the camera with a tripod, etc. to avoid camera movement.
- The digital zoom cannot be used when the shooting mode is set to SUPER MACRO (CF P. 48) or SELF PORTRAIT (CF P. 47).

Sequential shooting



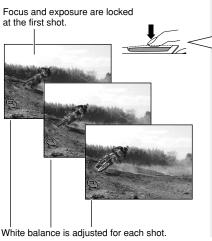
You can shoot pictures sequentially. In the SUPER HIGH record mode, approximately 3 frames can be shot in sequence.

Select ☐ in the menu, then select ON. ☐ P. 55





2 Take pictures.



The camera takes pictures in sequence while the shutter button is being pressed down. Releasing the shutter button stops sequential shooting.

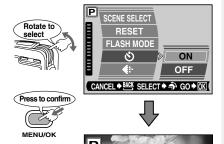
Notes on sequential shooting

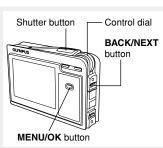
- Sequential shooting is not possible depending on which situation-related shooting mode is selected.
- Sound recording is not available during seguential shooting.

Self-timer shooting

This feature allows you to take pictures with yourself in them. Stabilize the camera with a tripod.

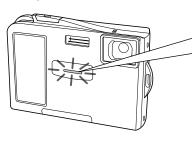
1 Select \circ in the menu, then select ON.





The 🐧 mark is displayed.

2 Take the picture.



The self-timer lamp lights up for approximately 10 secconds, then blinks for approximately 2 seconds before the picture is taken.

- To stop the self-timer, press MENU/OK so that the self-timer lamp goes off.
- The self-timer is canceled automatically when shooting is finished.

Notes on self-timer shooting

Self-timer shooting is not possible when the shooting mode is set to 2 IN 1 ($\square \mathbb{F}$ P. 52) or PANORAMA ($\square \mathbb{F}$ P. 53).

AF MODE — Changing the focus range

This function allows you to select the focus range of your subject.



AUTO

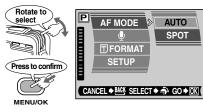
Focus selection is based on the entire picture on the screen. Even when the subject is not in the center of the screen, focusing is possible.

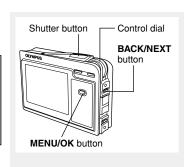


SPOT

Focus selection is based on the subject within the AF target mark. Try this when it is difficult to focus on the subject with AUTO or when using focus lock.

1 Select AF MODE in the menu, then select AUTO or SPOT. CF P. 55





2 Take the picture.

Notes on AF MODE

- When the shooting mode is set to SELF PORTRAIT+SELF TIMER (F P. 50), SPOT is not available.
- AUTO does not work when the digital zoom is used.

METERING — Changing the metering area

Spot metering is useful when you do not want to let the brightness of the surrounding area affect the picture. Recommended for shooting a backlit subject.





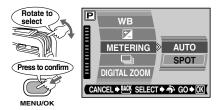
AUTO

Meters the center of the monitor and the surrounding area separately. The area in the center of the monitor may appear dark when there is strong backlight.

SPOT

Meters only the center of the monitor to determine exposure. A subject can be shot with optimal exposure regardless of the background light.

Select METERING in the menu, then select AUTO or SPOT F. 55





2 Take the picture.

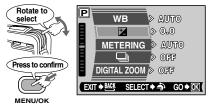
Varying the image brightness (Exposure Compensation)

ŧ

In some situations, you may get better results when the exposure that the camera sets is compensated (adjusted) manually. Often bright subjects (such as snow) will turn out darker than their natural colors. Adjusting toward + makes these subjects closer to their real shades. For the same reason, adjust toward – when shooting dark subjects. Exposure can be adjusted in the range of ±2.0 EV in 1/3 EV steps.



Select 🗷 in the menu. 🖙 P. 55



Shutter button Control dial BACK/NEXT button button MENU/OK button

2 Adjust the exposure.





Adjusts towards + to make the image brighter, or – to make the image darker.

3 Take the picture.

Notes on exposure compensation

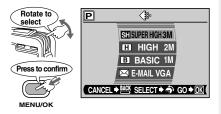
- If the flash is used, the image brightness (exposure) may differ from the intended brightness.
- Exposure compensation cannot correct the image if the surroundings of the subject are extremely bright or dark.

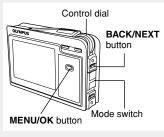
Selecting the record mode

You can select the best record mode for your purpose (printing, editing on a PC, attaching to e-mail, etc.).

Still picture record mode

- In the commode, select €: in the menu. □ P. 55
- 2 Select the record mode.

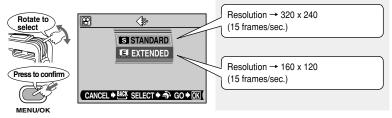


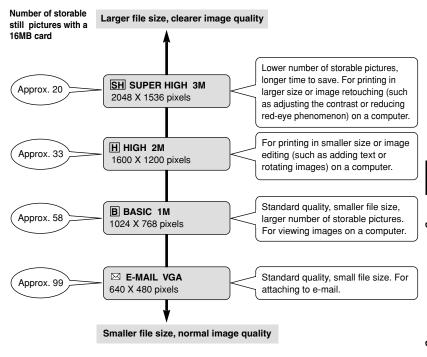


- Refer to the table on page 67 for selecting the record mode.
- In some situation-related shooting modes (EF P. 46), SUPER HIGH or HIGH cannot be selected.

Movie record mode

- In the
 mode, select
 in the menu.
 P. 55
- 2 Select the record mode.





Notes on record mode

The number of remaining pictures may change according to the subject or factors like whether print reservations have been made or not. In certain instances, the number of remaining pictures displayed on the monitor does not change even when you take pictures or stored images are erased.

Resolution

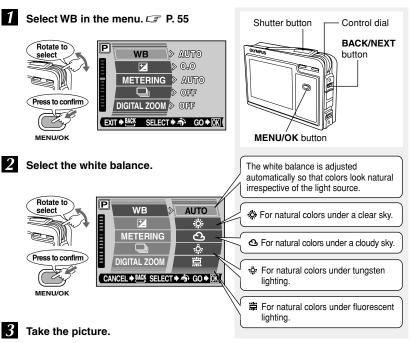
The number of pixels (horizontal x vertical) used when saving an image. If the image is going to be printed, higher resolutions (larger numbers) are recommended so that the image will be clearer. However, higher resolutions make the file size (amount of data) larger, so fewer pictures can be saved.

Resolution and picture size on a computer screen

When a picture is transferred to a computer, the size of the picture on the computer screen varies depending on the computer's monitor setting. For instance, a picture taken in 1024×768 resolution is the same size as the screen if you set the picture to 1x when the monitor setting is 1024×768 . However, if the monitor setting is over 1024×768 (such as 1280×1024), the picture only takes up part of the screen.

WB — Adjusting the color tone

Color reproduction differs depending on the light conditions. For instance, when daylight, the setting sun or tungsten lighting are reflected on white paper, the shade of white produced will be slightly different for each. By setting the WB (white balance), you can achieve more natural-looking colors.



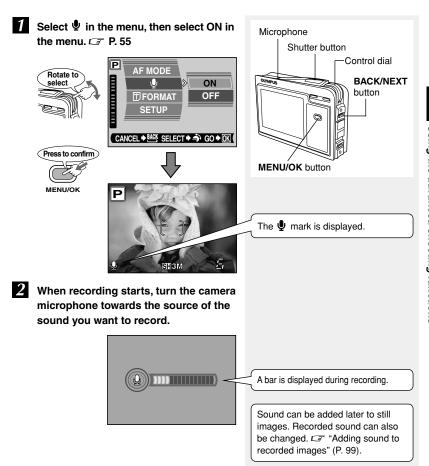
Notes on white balance

- White balance may not be effective under certain light sources.
- After setting a white balance other than AUTO, play back the image and check the colors on the monitor.
 ——
 "Playback" (P. 72)
- When the flash is fired with a white balance setting other than AUTO, colors may appear different in the resulting image from the colors you see on the monitor.
- White balance is determined automatically by the camera if a situation-related shooting mode (F P. 42) is selected.

Recording sound with still pictures



This function lets you record sound when taking a still picture. Recording starts about 0.5 seconds after the shutter is released and lasts about 4 seconds. When \P is set to ON, sound is recorded automatically every time you take a picture.

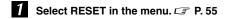


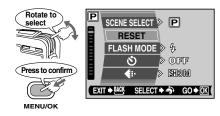
Notes on recording sound

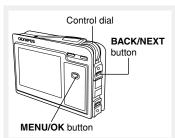
- If the camera is more than 1 m (3.3 ft.) away from the source of the sound, sound may not be recorded clearly.
- It is not possible to take another picture during sound recording.
- Sound recording is not possible during sequential shooting, 2 IN 1 or PANORAMA shooting.
- Sound cannot be set to off in the mode. Sound is always recorded during movie recording.
- Sound recording may also pick up camera noises, such as button operations, shutter movement, etc.

RESET — Restoring the factory default settings

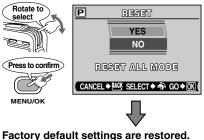
Normally, current camera settings (including any changes you have made) are saved when the power is turned off. If you prefer the original setting to be restored, you can use this function to restore the factory default settings (FF P. 204) after the power is turned off.





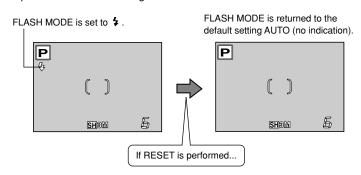


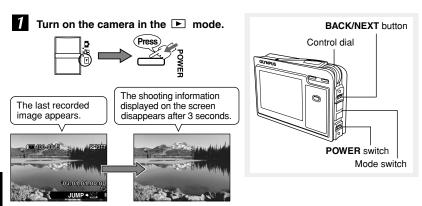
2 Select YES.



The settings you have made in the SETUP menu (P. 114) are retained.

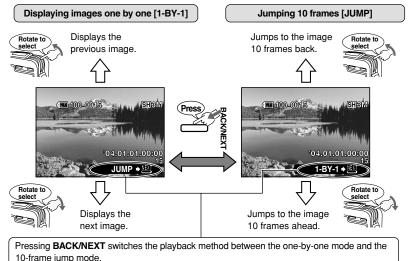
Example: FLASH MODE setting in the menu





5 Playback

Use the control dial to play back images you want to view.



Notes on the monitor

- If the camera is not operated for more than 10 minutes, the monitor turns off, then the camera turns off.
- When the AC adapter is used, the monitor does not turn off.

Close-up playback

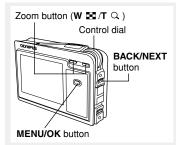


Lets you enlarge and display images at up to 4 times normal size.

- Play back the image you want to view.

 "" "Viewing still images" (P. 72)
- Press the zoom button to enlarge it.







The image is enlarged 1.5 times.

Images with the
 mark cannot be enlarged.





 Rotating the control dial displaces the image in the direction of the arrow. CF "Displacing the image" (P. 74)



Each time you press the zoom button, the image is enlarged in steps of 0.5 times.

Pressing MENU/OK changes the displacement direction.







The image returns to the original size (1x).

Displacing the image

During close-up playback, you can displace the image vertically and horizontally and display the adjusted image.

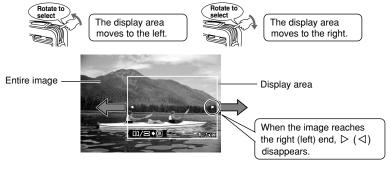
1 Enlarge the image.

G "Close-up playback" (P. 73)



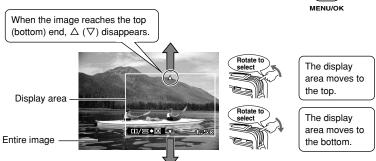


2 Use the control dial to displace the image horizontally.



To displace the picture vertically, press MENU/OK, then rotate the control dial.





Index display



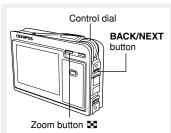
Lets you show several images at the same time on the monitor. It is useful when you want to quickly search a number of images to find a particular one.



Play back an image.

☐ "Viewing still images" (P. 72)





Press the zoom button 🖼 .







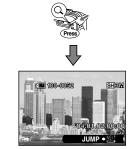
- The 9-frame index screen is displayed.
- · You can also select the number of images on an index screen from 4, 16 or 25. 🕼 "Selecting the number of images" (P. 126)

2 Rotate the control dial to move the frame to the desired image.





Press the zoom button $\, {\bf Q} \, .$ The screen returns to single-frame playback.



Press BACK/NEXT to switch the playback method to page selection mode.



4 Display other index pages (PAGE).

Rotate the control dial upward.





The previous 9 images are displayed on the index screen.













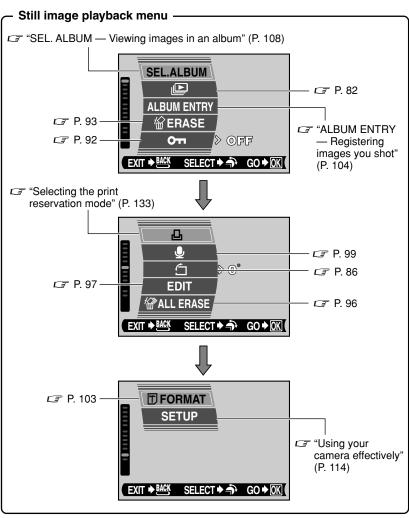
The next 9 images are displayed on the index screen.

Press BACK/NEXT to switch playback method to image selection mode.



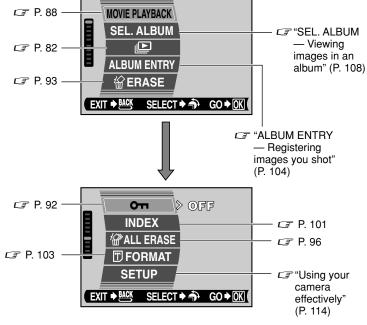
Selecting functions from the playback menu

A number of useful menu functions are available in the playback mode (as shown below). Follow the basic procedure described on page 80 before you go to the particular instructions for each function.



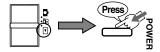
Movie playback menu

The following menu functions are available when images with the \mathfrak{A} mark are played back.

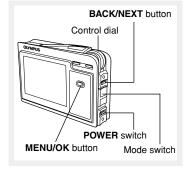


Available menu items differ when playing back an album. Refer to "Menu directory" (CF P. 204).

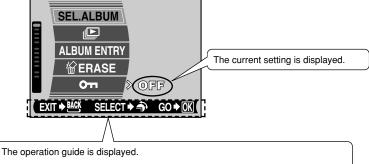
Turn on the camera in the mode.

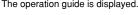


Display the menu.









EXIT → BACK



Returns to the previous menu screen. (Exits the step 2 menu screen.)

SELECT |



Rotate to select

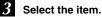
Selects the item.

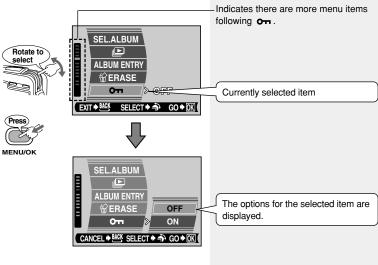
GO **→ OK**



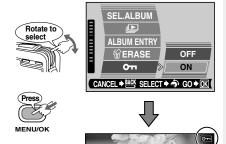
Press to confirm

Confirms your selection.





Select the option and confirm it.



The menu screen disappears and the playback screen appears.

The corresponding icon is displayed. (The mark is displayed here.)

Slideshow (sequential auto playback)

Lets you run through images stored in the card one after another. If you try to use slideshow with a movie, only the first frame of the movie is played back.

You can select a transition type, which lets you spice up the transition from one scene to the next.



The scenes appear sequentially one after another.



The Ferrari logo is displayed.

EADE

The next scene gradually fades in.



SLIDE

The next image alternates between sliding up from the bottom and sliding down from the top to replace the current image. That is, the first image slides up, the second slides down, and so on.



WINDOW

The next scene gradually wipes in from the upper left of the black screen toward the corners.



5

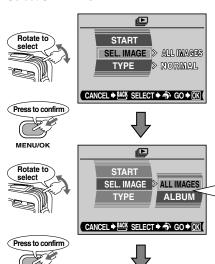






2 Selecting the image Select SEL. IMAGE.

MENU/OK

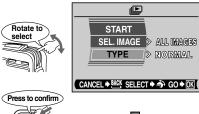


ALL IMAGES: Slideshow of all the images stored in the card.
ALBUM: Slideshow of all the images stored in the album.

"" "Slideshow (sequential auto playback of images in an album)" (P. 109)

Selecting slideshow type

Select TYPE.







Select a type.





The slideshow types are displayed.

3 Select START.











Slideshow starts.

During slideshow, you can display the previous or next image by rotating the control dial.



4 Press MENU/OK to end slideshow.



Slideshow will be repeated until **MENU/OK** is pressed.

Notes on slideshow

When running a slideshow for a long time, we recommend that you use the AC adapter. If you use the battery, the slideshow will automatically stop after 30 minutes, and the camera will turn off.

Rotating images

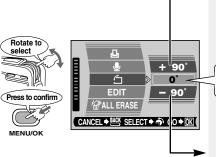
Images shot with the camera held vertically are displayed horizontally. This function lets you turn such images 90 degrees counterclockwise or clockwise so that they are displayed vertically.

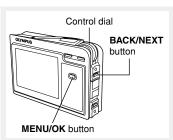
Example: Images shot with the camera held vertically.



Select 🗇 in the menu.

2 Select +90°, 0° or -90°.







mage tames to degrees distante

Original image before rotating (screen **A**)

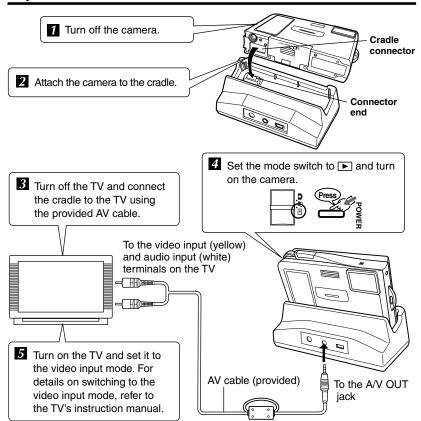


Image turned 90 degrees counterclockwise

Notes on image rotation

Images that are protected or registered in an album cannot be rotated.

Playback on TV



- To connect the cradle to a TV, use the provided AV cable.
- To play back images on a TV, use the provided AC adapter.
- Make sure that the camera's video output signal type is the same as the TV's video signal type. □ "VIDEO OUT — Selecting the video signal type" (P. 129)
- The camera's monitor turns off automatically when the AV cable is connected to the cradle.
- The image may appear off-center depending on the TV screen.

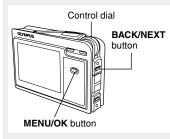
MOVIE PLAYBACK — Viewing movies

Display an image with the ⊞ mark.

☐ "Viewing still images" (P. 72),

"Index display" (P. 75)

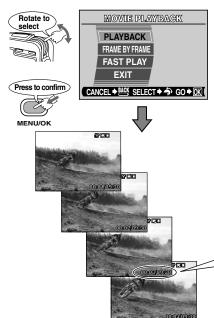




The first frame of the movie is played back.

Select MOVIE PLAYBACK in the menu.

Select PLAYBACK.



Movie play starts.

- During movie play, frame-by-frame playback (F P. 89) or fast play (F P. 90) is also available.
- To stop movie play, press MENU/OK to display the menu and select EXIT.

Elapsed playback time/Overall recording time

When playback ends, the menu is displayed. ☐ Step 4 (P. 91)

Frame-by-frame playback

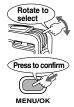
Press MENU/OK.





Select FRAME BY FRAME







When the menu is displayed, the movie pauses.

2 Display the previous or next frame.



Rotating upward displays the previous frame.



Rotating downward displays the next frame.

Press MENU/OK to display the menu. Step 4 (P. 91)

Fast play

Press MENU/OK.





2 Select FAST PLAY.

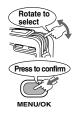








Select FORWARD or REVERSE.





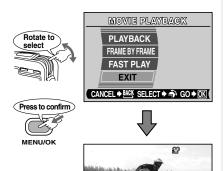
Fast play starts in the selected direction.

REVERSE is available during movie play.

When the menu is displayed, the movie pauses.

When movie play finishes, the menu is displayed. 🕼 Step 🛂 (P. 91)

When movie play finishes and the menu is displayed, select EXIT.



When movie play ends, the camera resumes normal playback. The first frame of the movie is displayed.

Protecting images (preventing accidental erasure)

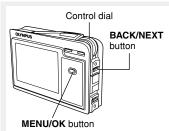
᠐᠇᠇

Protect images you do not want to erase. Protected images cannot be erased by the selected frame/all-frame erase function.

1

Play back the image you want to protect. "Viewing still images" (P. 72), "Index display" (P. 75)





2 Set on to ON in the menu.

🕼 P. 78



The om mark is displayed. When protect is canceled, this mark disappears.

Notes on protecting images

Even if you protect images, they will be erased if you format the card.

FORMAT — Formatting the card" (P. 103)

Lets you erase recorded images. You can erase selected images or all the images stored in the card.

Notes on erasing

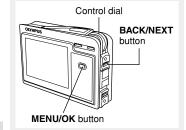
- Protected images cannot be erased. Cancel protecting images, then erase them.
- Once erased, images cannot be restored. "Protecting images (preventing accidental erasure)" (P. 92)
- Images registered in an album cannot be erased. Cancel the registration, then
 erase the images. If "UNDO ENTRY Removing images from an album"
 (P. 111)

Select 🛣 ERASE in the menu.

To erase the currently displayed image

☐ See below

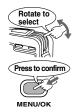
To select images to be erased



Erasing the currently displayed image

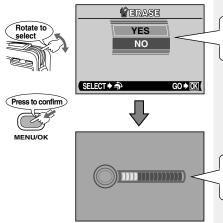
2 Select THIS IMAGE.

□ P. 94





3 Select YES.



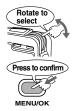
The erase confirmation screen is displayed.

NO: Cancels erasing.

Displayed when erasing is in progress. When erasing is finished, this screen disappears.

Selecting images to be erased

2 Select SEL. IMAGE.





3 Select the picture you want to erase.



MENU/OK



The

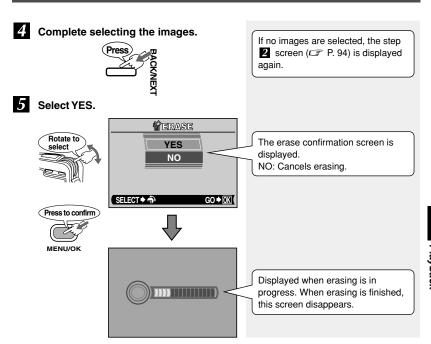
mark appears on the selected image. Pressing

MENU/OK again cancels the selection.

If you rotate the control dial with

displayed in order to go to the next index screen, the SEL. IMAGE screen is displayed giving you the choice of resetting or keeping the selected images.

IMAGE screen is displayed" (P. 95)



If the SEL. IMAGE screen is displayed -

It is not possible to erase images with the $ext{C}$ mark on multiple screens. Reset or keep the selected images on the index screen before going to the next index screen.

RESET: Resets the selected images. The next screen is displayed. Do steps from step 3 (FF P. 94) of "Selecting

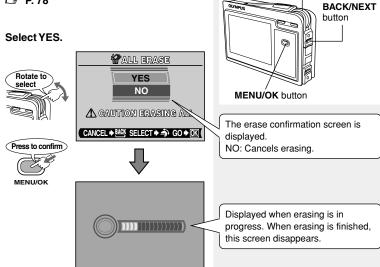
images to be erased".

KEEP : Keeps the selected images. The screen where you selected them is displayed again. To erase the selected images, press BACK/NEXT without rotating the control dial, then go to step 5.



ALL ERASE — Erasing all the images

- Select M ALL ERASE in the menu. ₽. 78



Control dial

BLACK & WHITE / SEPIA / 🖼 — Editing still images

Lets you edit recorded still images and store them as new ones. The following editing functions are available.

BLACK & WHITE Creates black and white images and stores them as new ones.

SEPIA Creates sepia-toned images and stores them as new ones.

Changes the image file size to 640 x 480 or 320 x 240 and stores

the image as a new one.

BLACK & WHITE and SEPIA

- Play back the image you want to change to a black and white image or sepia-toned image. * "Viewing still images" (P. 72), "Index display" (P. 75)
- Select EDIT in the menu.
- 3 Select BLACK & WHITE or SEPIA.

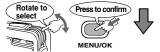


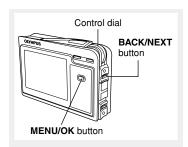


4 When you have selected BLACK & WHITE: Select BLACK & WHITE. When you have selected SEPIA: Select SEPIA.









The black and white image or sepiatoned image is displayed.

Resizing 🖺

- Play back the image you want to resize.

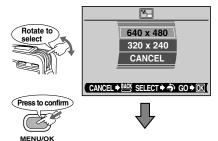
 "Viewing still images" (P. 72),

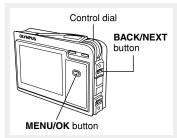
 "Index display" (P. 75)
- Select EDIT in the menu.
- 3 Select ┺.



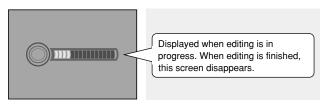


4 Select the file size.





J



Notes on BLACK & WHITE, SEPIA and ►

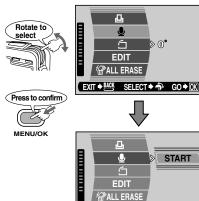
- In the following cases, EDIT is not available:
 - Movie
 - Images processed on a personal computer
 - When the card does not have enough memory
- When using the ☐ function, the file size 640 x 480 (☐ E-MAIL VGA) cannot be selected for an image shot in 640 x 480.

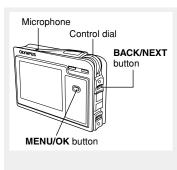
Adding sound to recorded images

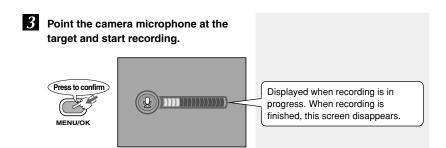


Sound can be added to a still image that you have already shot. You can also rerecord over the sound that has already been recorded. Recording time per image is approximately 4 seconds.

- Play back the image you want to add sound to.
 - "Viewing still images" (P. 72), "Index display" (P. 75)
- 2 Select ♥ in the menu. ☐ P. 78







Notes on adding sound

- To obtain the optimum sound, the microphone should be placed no farther than 1 m (3.3 ft.) away from the subject.
- If you re-record the sound, the original sound is erased.
- Sound may not be recorded if there is insufficient card memory available (the CARD FULL message is displayed).
- Sound recording may pick up camera noises, such as button operation.
- Once sound has been added to an image, it is not possible to erase the sound only. In this case, make a re-recording without sound.

INDEX — Making movie index

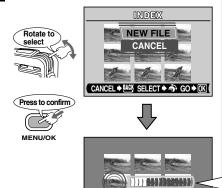
Movies can be displayed as indexes of 9 still frames and stored as still images on the card.

1 Play back the movie you want to index.





- 2 Select INDEX in the menu. 3 P. 79
- 3 Select NEW FILE.



Displayed during indexing. When indexing is finished, this screen disappears.



- The 9 frames extracted automatically from the movie appear as an index display.
- The index is stored as a still image in a different record mode from the original movie.

Record mode when the movie is shot	Record mode when stored as an index
STANDARD	BASIC 1M (1024 x 768 pixels)
EXTENDED	E-MAIL VGA (640 x 480 pixels)

Notes on movie indexing

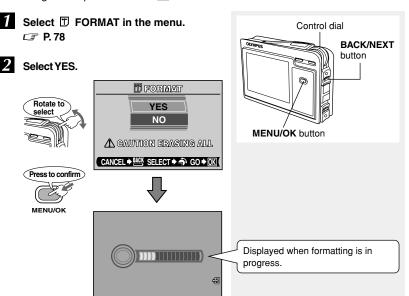
- The interval between automatically extracted frames varies depending on the length of the movie.
- INDEX is not available if there is not enough memory on the card.

Lets you format a card. Formatting prepares cards to receive data.

Non-Olympus cards or cards formatted on a computer must be formatted with the camera before they can be used.

All data stored on the card, including protected images or images registered in an album, is erased when the card is formatted. When formatting a used card, confirm there are no images that you still want to keep on the card.

Formatting is also possible in the \square or \square mode.



Notes on formatting

Do not perform any of the following actions during formatting as they may render the card unusable:

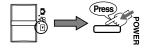
- Open the battery/card compartment cover.
- Remove the battery.
- Detach the camera from the cradle when using the AC adapter.
- Disconnect or connect the AC adapter. Never do this regardless of whether or not the battery is loaded in the camera.

6 Registering images in albums

You can classify images you have taken into albums and arrange them on the card. 12 albums are available and 100 images can be registered in each album. Images can be transferred from a PC to the albums on the card using CAMEDIA Master (included on the provided CD-ROM). **One of the card using CAMEDIA Master software" (P. 189)

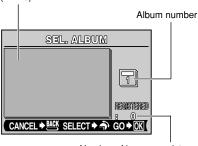
ALBUM ENTRY — Registering images you shot

1 Turn on the camera in the ▶ mode.

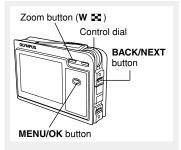


Select ALBUM ENTRY in the menu.

Displays the first frame registered in an album as the "top" frame. If no image is registered, no image appears. ☐ "REARRANGE — Arranging the order of images in an album" (P. 110)

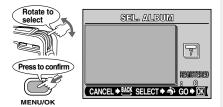


Number of images registered in this album



The SEL. ALBUM screen is displayed.

3 Select the album in which you want to register images.

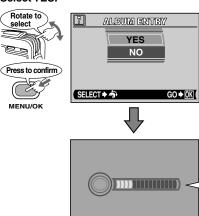


Registering the currently displayed image

4 Select THIS IMAGE.



5 Select YES.



You need to display the image you want to register before step **2** (P. 104).

During the registration process, this progress bar is displayed. When the bar disappears, the screen returns to normal playback.

Selecting images to register in the album

4 Select SEL. IMAGE.



5 Select images you want to register.

Number of registered images/number of registrable images



- To select other images, repeat step 5.

You can also select images for single-frame playback.



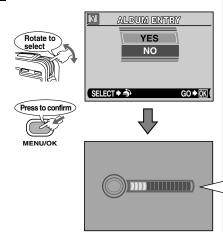
It is not possible to register an image in multiple albums.

6 Complete selecting images.



If no image is selected, the screen returns to step 4.

7 Select YES.



During the registration process, this progress bar is displayed. When the bar disappears, the screen returns to normal playback.

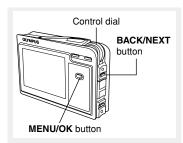
Notes on ALBUM ENTRY

- It is not possible to erase images registered in the album. Before erasing the images, cancel the registration.
- Formatting the card also erases images registered in the album.
- It is not possible to register an image in multiple albums.

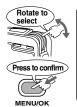
SEL. ALBUM — Viewing images in an album

Lets you view only the images registered in the albums.

1 Select SEL. ALBUM in the menu.



2 Select the album you want to view.





 The SEL. ALBUM screen is displayed.

 If no images are registered in the album, SEL. ALBUM is not available.

The top frame (frame number 1 in the album) is displayed.

Play back the images in the album.

"I "Viewing still images" (P. 72)



4 To exit album playback mode, select CLOSE ALBUM in the menu.



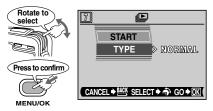


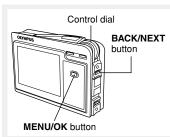
Slideshow (sequential auto playback of images in an album)



You can run through all the images stored in an album automatically.

- 2 Select 🕒 in the menu. 🕼 P.78





3 Select TYPE.





Slideshow types ("Slideshow" (sequential auto playback)" (P. 82)

4 Select START.







Slideshow starts.

During slideshow, you can display the next or previous images by rotating the control dial.

5 Stop slideshow.



Slideshow will be repeated until **MENU/OK** is pressed.

REARRANGE — Arranging the order of images in an album

Frame numbers are assigned to images in the album according to the order in which they are registered. These numbers control image ordering. Changing the frame numbers will change the image order, so you play back images in a different order during a slideshow.

If you change the frame number to 1, the image will be displayed as the "top" frame.



Frame number before arranging



MENU/OK button

Control dial

Frame number after arranging

BACK/NEXT

button

Before arranging

After arranging

- Play back the album until you reach the point where you want to change the image order. 3 "SEL. ALBUM — Viewing images in an album" (P. 108)
- Display the image whose frame number you want to change.
- Select REARRANGE in the menu. P. 78
- Change the frame number.













The frame number you selected is displayed.

Frame number after arranging

The screen returns to album playback.



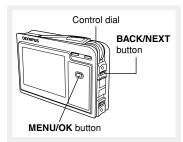
UNDO ENTRY — Removing images from an album

You can remove registered images from an album. The images are removed from the album, but remain stored on the card.

Play back an image in the album.

"SEL. ALBUM — Viewing images in an album" (P. 108)





Select UNDO ENTRY in the menu.

To remove the currently displayed image See below

To select an image to remove

P. 112

Removing the currently displayed image

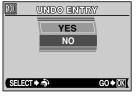
3 Select THIS IMAGE.





4 Select YES.





The registration is canceled and the menu disappears.

Selecting an image to remove

3 Select SEL. IMAGE.



4 Select the image you want to remove.



The

mark is displayed next to the selected image. Pressing
MENU/OK again cancels the selection.

5 Complete selecting the image.



If no image is selected, the screen returns to step 3.

6 Select YES.



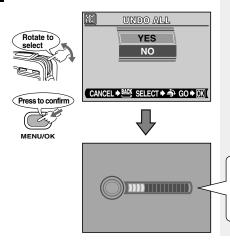


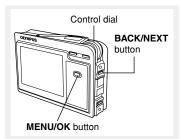
The registration is canceled and the menu disappears.

UNDO ALL — Removing all the images registered in the album

All the images are removed from the album. Images removed from an album are not deleted and remain stored on the card.

- Play back the album from which you want to remove all images. * "SEL. ALBUM Viewing images in an album" (P. 108)
- Select UNDO ALL in the menu.
- 3 Select YES.



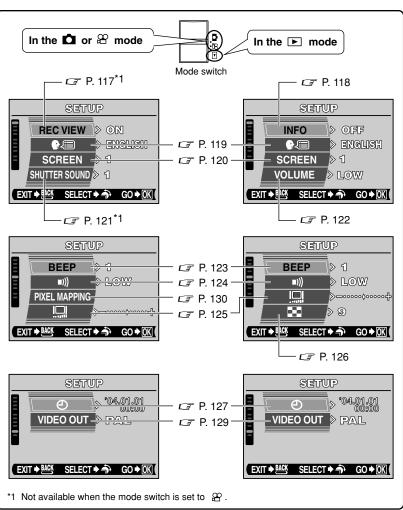


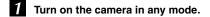
During the registration cancellation process, this progress bar is displayed. When the bar disappears, the screen returns to normal playback.

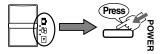
7 Using your camera effectively

Selecting functions from the SETUP menu

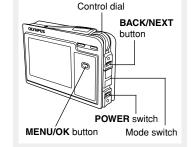
The SETUP menu functions available differ in the shooting mode and in the playback mode. Follow the basic procedure described on page 115 before you go to the instructions for each function.



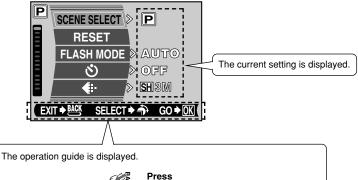




2 Display the menu.













Returns to the previous menu screen. (Exits the step 2 menu screen.)

SELECT



Rotate to select

Selects the item.

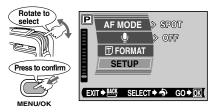
GO **→ OK**



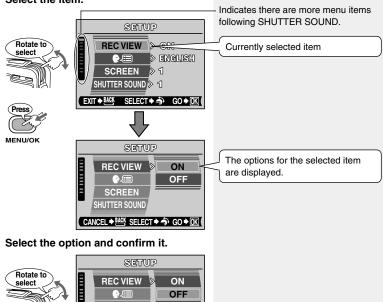
Press to confirm

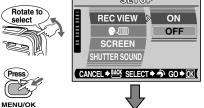
Confirms your selection.

Select SETUP.



Select the item.





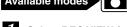
Depending on the item, another selection screen follows.

- 1. With ok, the screen returns to the SETUP menu. (You can make settings for subsequent menu items.)
- 2. With streen returns to the shooting/playback menu from the SETUP menu.
- 3. With squain, the screen exits the shooting/playback menu and returns to the shooting (playback) mode.

REC VIEW — Checking the picture immediately after shooting

You can select whether to display the picture you have just taken on the monitor.

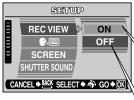
Available modes

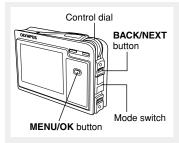


Select REC VIEW from the SETUP menu. 🕼 P. 114

Select ON or OFF.





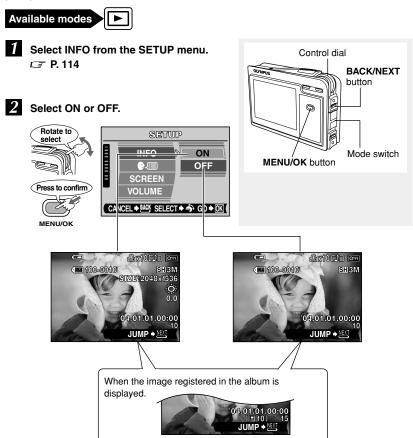


The picture you have just taken is displayed for about 3 seconds. This is useful for making a brief check of the picture you have just taken. You can release the shutter while the picture is being displayed.

The picture being recorded to the card is not displayed. This is useful when you want to compose your next shot using the monitor while the previous picture is being recorded.

INFO — Displaying shooting information on the monitor

You can display detailed shooting information on the monitor for 3 seconds in the playback mode. For details on the displayed information, refer to "Monitor indications" (P. 20).



Notes on the information display

If an image was shot with a different camera, only the date/time, file number and battery check information is displayed even when INFO is set to ON.

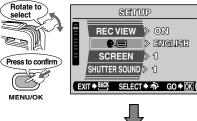
Changing the display language



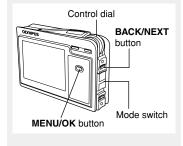
You can change the language used for the on-screen display and error messages from ENGLISH to another language.



- 2 Select a language.







Available languages differ depending on the region where the camera is sold.

SCREEN — Setting the startup screen

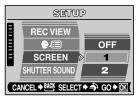
You can select an image to display on the monitor every time the camera is turned on.

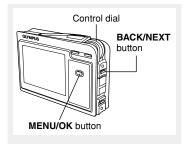


Select SCREEN from the SETUP menu.

2 Select the startup image.







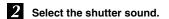
The selected startup image is played back.

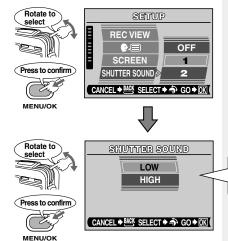
SHUTTER SOUND — Setting the shutter sound

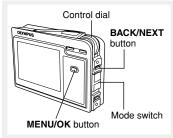
You can select the shutter sound, or mute the sound completely. You can also set the shutter sound volume to either LOW or HIGH.



Select SHUTTER SOUND from the SETUP menu. □ P. 114







- The sample sound of the selected option is played back.
- When the shooting mode is set to MUSEUM (P. 49), no sound options are available.

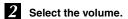
When OFF is selected in the above screen, the volume selection screen is not displayed.

VOLUME — Selecting the playback volume

You can select LOW or HIGH volume when playing back a movie or a still image or when turning the camera on/off. You can also mute the sound completely.

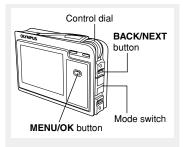


Select VOLUME from the SETUP menu.







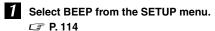


The sample volume of the selected option is played back.

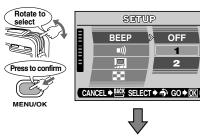
BEEP — Setting the button operation sound

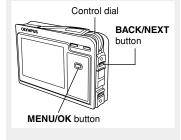
You can select the sound emitted when a button is pressed, or mute the sound completely. You can also set the button sound volume to either LOW or HIGH.



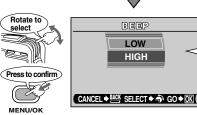


2 Select the operation sound.





- The sample sound of the selected option is played back.
- When the shooting mode is set to MUSEUM (FP. 49), no sound options are available.



When OFF is selected in the above screen, the volume selection screen is not displayed.

Setting the warning tone

You can change the volume of the beep sound used for warnings or turn the sound off completely.

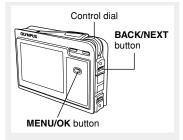


Select ■ from the SETUP menu.

2 Select the volume.





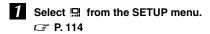


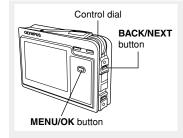
- The sample sound of the selected option is played back.
- When the shooting mode is set to MUSEUM (CF P. 49), no sound options are available.

Adjusting the monitor brightness

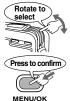
Lets you adjust the brightness of the monitor.







2 Adjust the brightness.





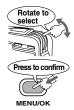
Selecting the number of images

You can select the number of frames displayed in an index display (FP. 75).



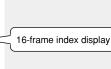


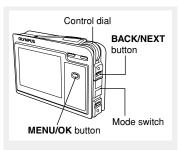
Select the number of images.











4-frame index display

Setting the date and time







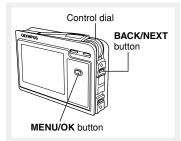




Select O from the SETUP menu. ☐ P. 114



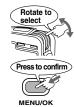




Set the date/time.

Select the date format:

[Y-M-D (Year/Month/Day)], [M-D-Y (Month/Day/Year)], [D-M-Y (Day/Month/Year)].







Set the date.





The following instructions show the procedure used when the date and time settings are set to Y-M-D.

Moves to the year setting. The first two digits of the year are fixed.

Repeat the procedure until the date and time are completely set.



The time is displayed in the 24-hour format. For example, 2 p.m. will be displayed as 14:00.

With the cursor on SET, press MENU/OK.

The clock starts after completing step 3.

Date/Time Setting Cautions

- The current date/time settings are retained even when the power is turned off.
- The date/time settings will be canceled and the factory default settings will be restored if the camera is left with no battery for approximately 1 day. The settings will be canceled more quickly if the battery was only loaded in the camera for a short time before being removed. After loading the battery, check that the date/time settings are correct.
- If the date/time settings have been canceled, the warning message appears on the monitor when the camera is powered on. From "Error codes" (P. 192)

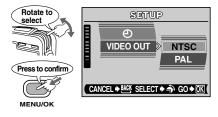
VIDEO OUT — Selecting the video signal type

You can select NTSC or PAL according to your TV's video signal type. When you use the camera abroad, select the video signal type for that region before connecting the AV cable.



1 Select VIDEO OUT from the SETUP menu. F P. 114



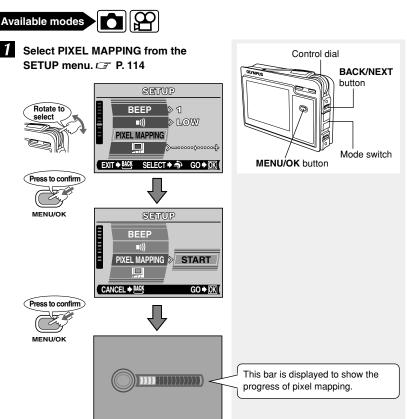




TV video signal types & main regions Check the video signal type before connecting the camera to your TV. NTSC North America, Japan, Taiwan, Korea PAL European countries, China

PIXEL MAPPING — Checking the image processing functions

The pixel mapping feature allows the camera to check and adjust the CCD and image processing functions. It is not necessary to operate this function frequently. Approximately once a year is recommended. After taking pictures or playing them back, wait for at least one minute before using the pixel mapping function to ensure that it operates correctly.



Notes on pixel mapping

If you accidentally turn the camera off during pixel mapping, be sure to operate pixel mapping again.

8 Making print reservations and printing at photo labs

How to print pictures

Print reservation allows you to save printing data (the number of prints and the date/time information) with the pictures stored on the card.

With print reservation, you can print out pictures easily either at home using a personal DPOF-compatible printer or at a photo lab that supports DPOF. DPOF is a standard format used to record automatic print information from digital cameras. You can print out pictures automatically, at home or in a photo lab, by storing such data as which pictures you wish to print and the number of prints on a card.

Pictures taken with print reservation can be printed using the following procedures.

Printing using a DPOF-compatible photo lab

You can print the pictures using the print reservation data.

Printing using a DPOF-compatible printer

Printing is possible directly from a card containing print reservation data without using a PC. For more details, refer to the printer's instruction manual. A PC card adapter may also be necessary.

8

Picture size and printing

The resolution of a computer/printer is generally based on the number of dots (pixels) per square inch. This is called dpi (dots per inch). The higher the dpi value, the better the printed results. Keep in mind, however, that the dpi of the picture does not change. This means that when you print an image with a higher resolution, the size of the printed picture will be smaller. Although you can print magnified images, picture quality will decrease.

If you want to print large, high-quality pictures, set the record mode as high as possible when taking the pictures. 3 "Selecting the record mode" (P. 66)

Notes on print reservation

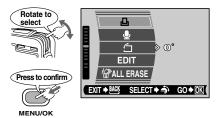
- DPOF reservations set by another device cannot be changed by this camera. Make changes using the original device.
- If a card contains DPOF reservations set by another device, entering reservations using this camera may overwrite the previous reservations.
- If there is not enough space in the card memory, CARD FULL will be displayed and you may not be able to enter the reservation data.
- You can make DPOF print reservations for up to 999 images per card.
- Not all functions may be available on all printers or at all photo labs.
- Print reservation may take considerable time when saving printing data to a card.

Selecting the print reservation mode



Two print reservation modes are available: single-frame reservation \blacksquare and all-frame reservation \blacksquare .

- 🕒 : Applies print reservation to selected pictures. 🕼 P. 136
- 💾 : Applies print reservation to all the pictures stored in the card or album. 🖙 P. 140
- Play back a still picture. T "Viewing still images" (P. 72)
- 2 Select ☐ in the menu. ☐ P. 78



When the following screens are displayed after doing step 2, refer to the respective pages.

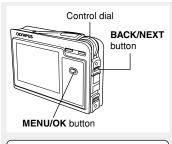


If there are images to which print reservation has been applied on the card.

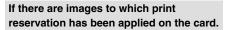
F. 134



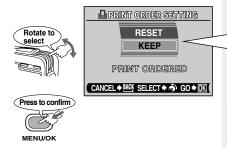
If there are images registered in the album on the card. □ P. 135



Print reservation cannot be applied to pictures with $\stackrel{\text{def}}{\square}$ (movie) mark.



• Keep or reset the print reservation.

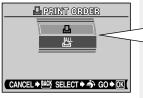


RESET: Resets the print reservation. KEEP: Keeps the print reservation.

If there are images registered in the album on the card, go to **1** on page 135 after this step.

2 Select the print reservation mode.





山 *『* P. 136 **出** *『* P. 140



Select the item you want to apply print reservation to.



2 Select the album.



ALL IMAGES: Selects from all the pictures stored in the card. Go to step

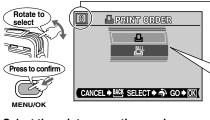
ALBUM: Selects from all the pictures registered in the selected album. Go to step 2.

These screens are not displayed if you enter the print reservation mode during album playback (CF P. 108).

Top frame of the album

Number of the album you select

3 Select the print reservation mode.



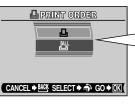
If print reservation has been applied to pictures registered in an album, the album number is displayed.

□ 🖅 P. 136

🖺 🕼 P. 140

3 Select the print reservation mode.





山 *G* P. 136 **山** *G* P. 140

Single-frame reservation



Lets you apply print reservation to selected pictures. You can change print reservation data you've already made, such as the number of prints or date and time setting. Display the picture to be printed and select the desired number of prints.

Select

□

.





2 Select the picture you want to apply print reservation to.







- · Display the picture to select.
- 🚨 is displayed on the picture that has been applied print reservation.

You can select the picture using index display.
(P. 75)







When you apply print reservation to pictures stored in the album, index display is not available.

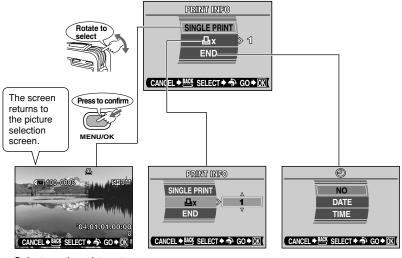
3 Set the print reservation items as desired.

SINGLE PRINT: Sets the number of prints to 1.

 \square_X : Sets the number of prints. \square P. 138

END : Completes print reservation, allowing you to go on to

date/time setting (②). IF P. 138



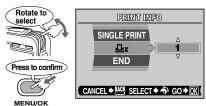
Select another picture to which you want to apply print reservation.

"When you have selected
 且x" (P. 138)

"When you have selected END" (P. 138)

When you have selected L X

4 Select the number of prints.



The screen returns to step 2. It is possible to apply print reservation to other pictures. P. 136

When you have selected END

4 Select the date and time setting items (⊕).

NO : The pictures are printed

without the date and time.

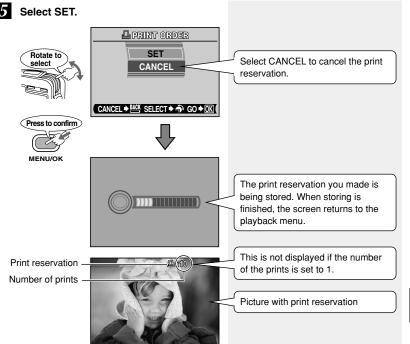
DATE: All the selected pictures are

printed with the shooting date.

TIME: All the selected pictures are printed with the shooting time.

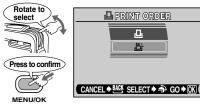






Lets you apply print reservation to all the pictures stored in the card or album. You can add the shooting date or time for each picture. One print is made for each frame.

1 Select ≝.





NO: The pictures are printed without the date and time.

DATE: All the pictures are

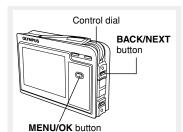
printed with the shooting date.

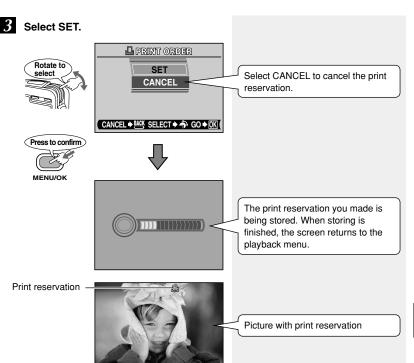
TIME: All the pictures are

printed with the shooting time.









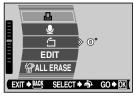
Resetting print reservation

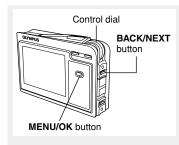
Lets you reset print reservation data. You can reset all print reservation data or just the deta for selected pictures.

Resetting the print reservation data for all pictures

- Play back a still picture. F "Viewing still images" (P. 72)
- 2 Select 🗓 in the menu. 🖙 P. 78







3 Select RESET.





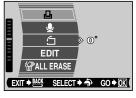
All print reservations are reset.

If print reservation has not been applied to any pictures, this screen is not displayed.

Resetting the print reservation data for a selected picture

1 Select 🗗 in the menu. 🕼 P. 78



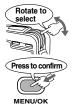


2 Select KEEP.





 $oldsymbol{3}$ Select $oldsymbol{\Box}$.



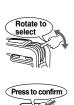


Select the picture with print reservation data you want to reset.

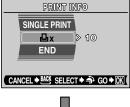




5 Set 🗓 x to 0.



MENU/OK















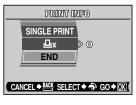
- The screen returns to step 4.To reset print reservation for other
- To reset print reservation for othe images, repeat steps 4 and 5.

6 Complete resetting the print reservation.



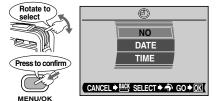
7 Select END.





∞ Makii

Select the date and time setting items (②).



This setting is applied to any pictures with print reservation data that have not been reset.

9 Select SET.









The print reservations for the selected pictures are reset.

9 Printing on a PictBridge-compatible printer (direct printing)

Direct printing

By connecting the camera to a PictBridge-compatible printer with the USB cable, you can print out recorded pictures directly. With the camera connected to the printer, select the pictures you want to print and the number of prints on the camera's monitor. It is also possible to print out pictures using the print reservation data. ** "How to print pictures" (P. 131)

To find out if your printer is compatible with PictBridge, refer to the printer's instruction manual.

PictBridge -

It is the standard that enables digital cameras and printers made by different manufacturers to be connected, and also allows pictures to be printed directly from the camera

□ STANDARD

All printers that support PictBridge have standard print settings. By selecting STANDARD on the settings screens (CF P. 152 to 167), you can print pictures according to these settings. For details on your printer's standard settings, refer to the printer's instruction manual or contact the printer manufacturer.

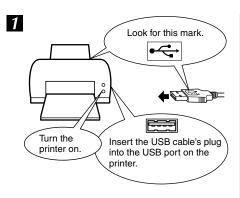
Printer's accessories -

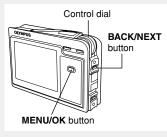
For details on printing paper types, ink cassettes, etc., refer to the printer's instruction manual.

Notes on direct printing

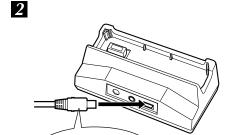
- You are recommended to use the provided AC adapter when printing pictures.
 If you use the battery, make sure that it is fully charged. If the camera stops operating while communicating with the printer, the printer may malfunction or image data may be lost.
- Movies cannot be printed.

Connecting the camera to a printer



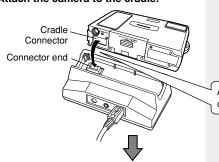


For details on how to turn the printer on and the position of the USB port, refer to the printer's instruction manual.

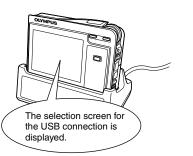


3 Attach the camera to the cradle.

Insert the USB cable into the USB connector on the cradle.

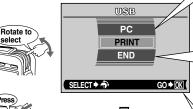


Align the cradle connector with the connector end on the cradle.



4. Select PRINT.

select



ONE MOMENT CAUTION CONNECTING TO 4 If PC is selected, the PRINT MODE SELECT screen is not displayed. Remove the USB cable and repeat the procedure from step 1 again.

If END is selected, the camera is not recognized by the printer. In the or mode, the camera turns off and in the Image mode the camera resumes normal playback.

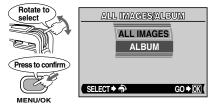
If the selection screen disappears, press the POWER switch to turn the camera on again. Alternatively, you can detach the camera from the cradle, then repeat the procedure from step 3.

When there are pictures registered in the album

Select the picture you want to print.

ALL IMAGES: Selects from all the pictures stored in the card. Go to "Selecting the print mode" (CF P. 150).

ALBUM: Selects pictures from the album. Go to step 5.



2 Select the album.



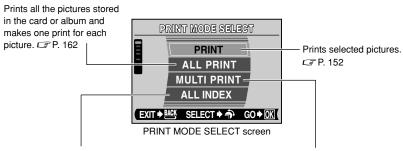


Top frame of the albumNumber of the album you select

5 Go to "Selecting the print mode" (P. 150).

Selecting the print mode

After completing the steps in "Connecting the camera to a printer" (CFP. 147), the PRINT MODE SELECT screen is displayed on the camera's monitor. Select the print mode on this screen, then print. The available print modes are as follows:



Prints an index of all the pictures stored in the card.
P. 165

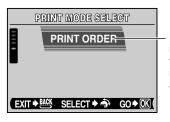


Example of ALL INDEX

Makes split print with an picture inset in each split-plane. \square P. 157



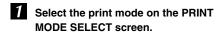
Example of MULTI PRINT



Prints according to the print reservation you made. If there is no picture with print reservation, this is not available. CFP. 131

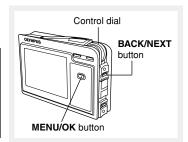
Print modes and settings

The available print modes and settings such as paper size vary depending on the type of printer. For details, refer to the printer's instructions.











Go to the screen for the print mode you have selected and follow the steps.



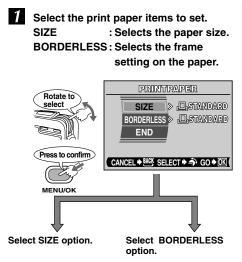


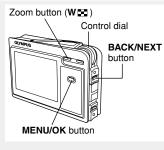
ALL INDEX FP. 165

MULTI PRINT F P. 157



PRINT — Printing selected pictures





If neither screen is displayed, each setting is set to 🚨 STANDARD.

BORDERLESS setting

ON : The picture is printed filling

the entire page.

OFF: The picture is printed inside a

blank frame.



PRINTPAPER



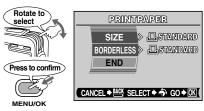
SIZE

END

PRINTPAPER

BORDERLESS > LSTANDARD

2 Select END.



3 Select the picture you want to print.





Sets the number of prints, date or file name.

Press to confirm

You can select the picture using index display.

(P. 75)



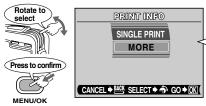




When you selected ALBUM (CFP. 149), index display is not available.

If you press **MENU/OK** with no picture reservation applied, one copy of the displayed picture will be printed. Go to step **3**.

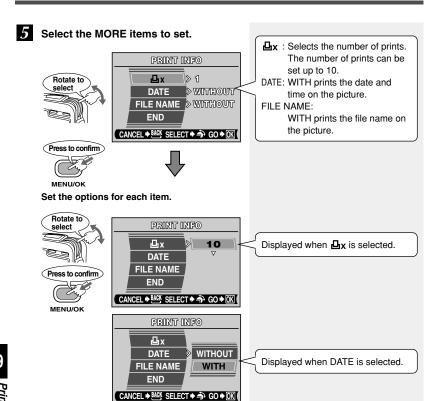
4 Select how to print.



- This screen is displayed if there are already pictures with print reservation applied.
- This cancels/changes the settings you have made.



If you selected SINGLE PRINT, print reservation is applied with the number of prints set to 1 and with no date/time or file name. Go to step .



PRINT INFO Дх DATE

CANCEL ♦ BACK SELECT ♦ → GO ♦ OK

END

FILE NAME **>** WITHOUT /

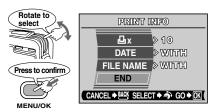
WITH

Displayed when FILE NAME is

selected.

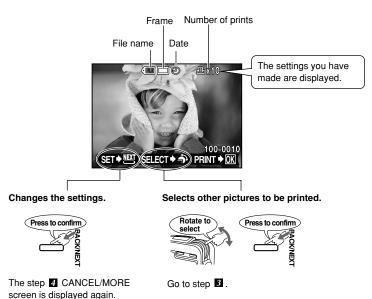
155

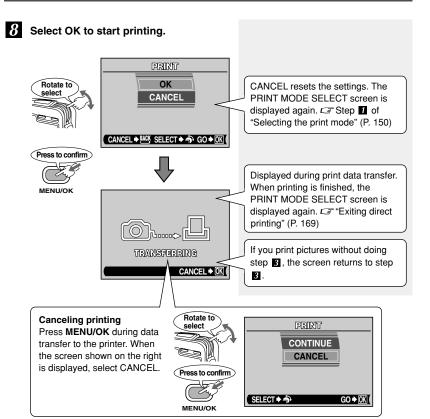




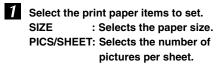
Print using the settings you have made.

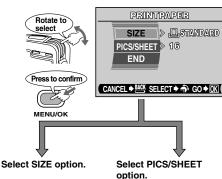






MULTI PRINT — Printing multiple pictures on one page

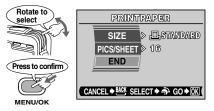


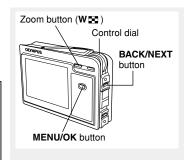






2 Select END.





If either screen is not displayed, SIZE is set to 🚨 STANDARD and PICS/SHEET is set to the maximum number that the printer supports.

3 Select the picture you want to print.





Sets the number of prints.



You can select the picture using index display.

(P. 75)







When you selected ALBUM (CFP. 149), index display is not available.

If you press **MENU/OK** with no picture reservation applied, one copy of the displayed picture will be printed. Go to step **3**.

If you selected SINGLE PRINT, print reservation is applied with the number of prints set to 1. Go to step

7.

4 Select how to print.





- This screen is displayed if there are already pictures with print reservation applied.
- This cancels/changes the settings you have made.



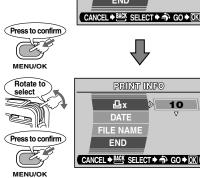






Lax: Selects the number of prints.

The number of prints can be set up to 10.



6 Select END.

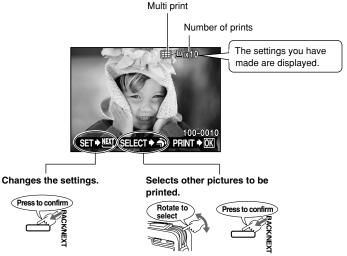






Print using the settings you have made.

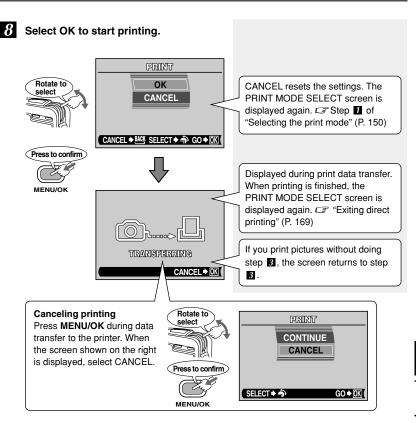




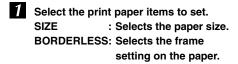
q

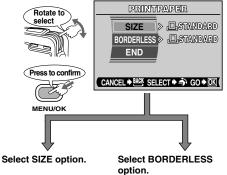
The step 4 CANCEL/MORE screen is displayed again.

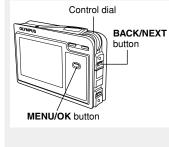
Go to step 3.



ALL PRINT — Printing all the pictures stored in the card/album







PRINTPAPER

SIZE LISTANDARD

BORDERLESS
END

CANCEL *** GO * OX



Rotate to select

Press to confirm

MENU/OK

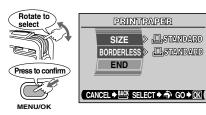
BORDERLESS setting

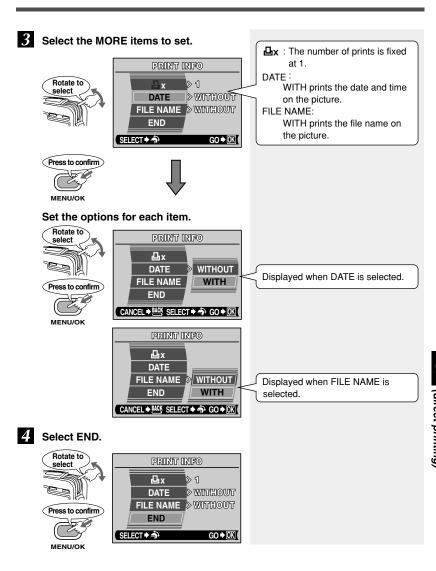
ON: The picture is printed filling the entire page.

OFF: The picture is printed inside a blank frame.

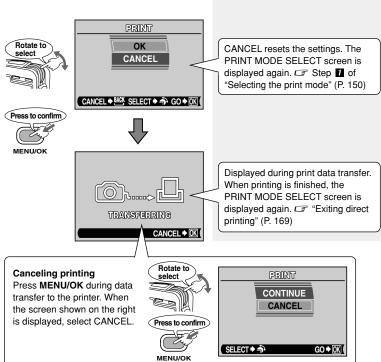
If neither screen is displayed, each setting is set to \blacksquare STANDARD.

2 Select END.







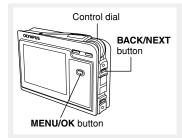


ALL INDEX — Printing an index of all the pictures stored in the card

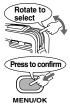
Select SIZE.







Select SIZE option.



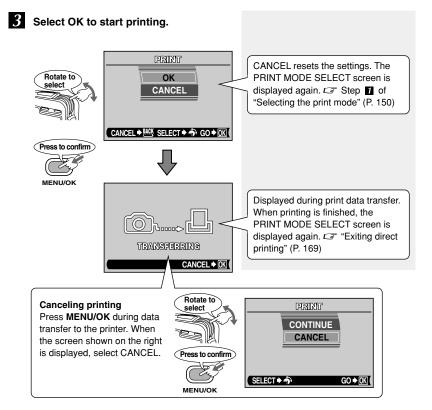


If this screen is not displayed, SIZE is set to \blacksquare STANDARD.

2 Select END.



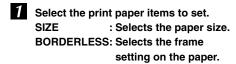


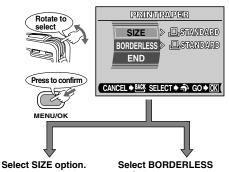


Notes on ALL INDEX

- In the ALL INDEX mode, the printer automatically selects the number of pictures per sheet, etc.
- The ALL INDEX mode is not available with printers that do not support index printing.

PRINT ORDER — Printing with print reservation





option.
PRINTPAPER PRINTPA



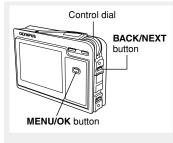




2 Select END.







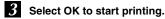
BORDERLESS setting

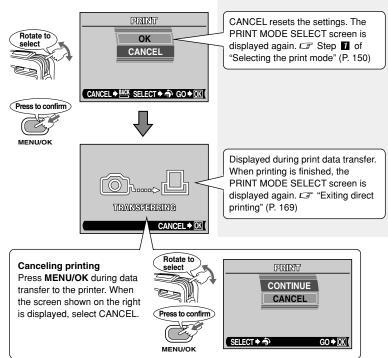
ON: The picture is printed on the entire page.

OFF: The picture is printed inside a

blank white frame.

If neither screen is displayed, each setting is set to 🚨 STANDARD.





Exiting direct printing

1 Press BACK/NEXT on the PRINT MODE SELECT screen.





The camera turns off.



If an error code is displayed

- If an error code is displayed during direct printing setting or printing, see the following table.
- For more details on solutions, refer to the printer's instruction manual.
- If other codes are displayed, refer to "Error codes" (P. 192).

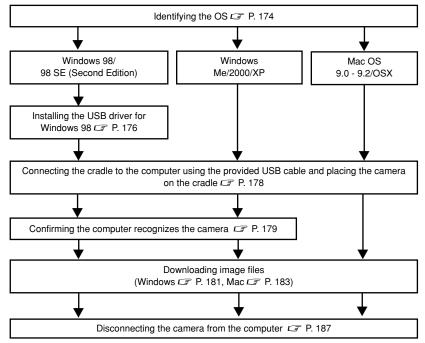
Monitor indication	Possible cause	Corrective action
© [×]	The camera is not connected to the printer correctly.	Disconnect the camera and connect it again correctly.
NO CONNECTION		
NO PAPER	There is no paper in the printer.	Load some paper in the printer.
NO INK	The printer has run out of ink.	Replace the ink cartridge in the printer.
8V JAMMED	The paper is jammed.	Remove the jammed paper.
SETTINGS CHANGED	The printer's paper cassette has been removed or the printer has been manipulated while making settings on the camera.	Do not manipulate the printer while making settings on the camera.
PRINT ERROR	There is a problem with the printer and/or camera.	Turn off camera and printer. Check the printer and remedy any problems before turning the power on again.
CANNOT PRINT	Pictures recorded on other cameras may not be printed on this camera.	Use a personal computer to print.

10 Transferring images to a computer

Flowchart

By connecting the camera to a computer with the USB cable, images stored on a card can be transferred to the computer. Some OS's (operating systems) may need a special setup before connecting to the camera for the first time. Follow the chart below.

For details, see the Olympus web site.



Even if your computer has a USB connector, data transfer may not function correctly if you are using one of the operating systems listed below or if you have an add-on USB connector (extension card, etc.).

- Windows 95/NT 4.0
- Windows 98/98 SE upgrade from Windows 95
- Mac OS 8.6 or lower (except Mac OS 8.6 equipped with USB MASS Storage Support 1.3.5 installed at the factory)
- Data transfer is not guaranteed on a home-built PC system or PCs with no factory installed OS.

10

Notes when connecting the camera to a computer

- When connecting the camera to the computer, use the provided AC adapter.
 When connected (transmitting) to the computer, the camera may stop operating if battery power runs low. This could cause the computer to malfunction, and any image data (file) being transmitted may be lost.
- To avoid computer malfunctions, do not turn off the camera when the camera is connected to a computer.
- If the camera is connected to the computer via a USB hub, operation may not be stable if there are any compatibility problems between the computer and the hub. In such cases, do not use the hub and connect the camera (cradle) directly to the computer instead.

Viewing or processing images downloaded to the computer -

- You can view images using: graphics applications that support the JPEG file format (Paint Shop Pro, Photoshop, etc.); Internet browsers (Netscape Communicator, Microsoft Internet Explorer, etc.); CAMEDIA Master software; or other software. For details on using commercial graphics applications, refer to their instruction manuals.
- If you want to process images, make sure to download them to your computer first. Depending on the software, image files may be destroyed if the images are processed (rotated, etc.) while they are on the card.

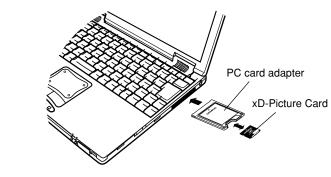
Viewing movies on the computer -

You need to install QuickTime in your computer for playing back movies. QuickTime is included in the provided CD-ROM. You can install QuickTime as well as the CAMEDIA Master software included in the same CD-ROM.

When your computer cannot read the camera's image data with the USB connection

Transferring the image data to the computer is possible for the Some OS' with the use of the optional PC card adapter for the xD-Picture Card.

For details, see the Olympus web site.



Identify the OS on your computer before connecting the camera. How to identify the OS depends on the computer.

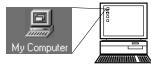
Windows

1 Double-click the [My Computer] icon on your desktop.

If the [My computer] icon is not on your desktop, select [Setup] — [Control Panel] from the [Start] menu.

Or

Right-click [My Computer] in the [Start] menu. Click [Property] in the pop-up menu. Go to Step 4.





2 Double-click the [Control Panel] icon.



3 Double-click the [System] icon.

The appearance of the file icons in the folder may vary depending on your version of Windows. If you don't see the icon you are looking for, click [view all Control Panel options] in the left-hand section of the window.



4 A System Properties window will appear. Note and record the [System:] information.

Confirm that your system is Windows 98, 98 SE, Me, 2000 Professional or Windows XP, then press [OK] to close the window.

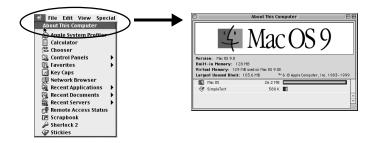


If your OS is Windows 98/98 SE, proceed to "Installing the USB driver for Windows 98" F. 176.

Mac OS (Macintosh)

Select [About This Computer] (or [About This Mac]) from the Apple menu on the menu

A window appears with the name of the computer's OS. Confirm that the OS is OS 9.0 - 9.2 or OS X.



10

Installing the USB driver for Windows 98 (When using Windows 98/98 SE)

If your OS is Windows 98/98 SE, you must install the USB driver. Follow the instructions below to install the USB driver in your computer. Once it is fully installed, you do not need to repeat the procedure again.

If your OS is Windows Me/2000/XP, you do not need to install the USB driver. "Connecting the camera to the computer" (P. 178).

Insert the provided software CD into your CD-ROM drive.

The Olympus Windows Installer should automatically launch.



Click [USB driver]. If the USB driver is already installed in your computer, this option will not appear.



If the installer is not automatically launched, select [Run..] on the [Start] menu and then execute [(drive letter):/Information.exe].

The drive letter of the CD-ROM

The drive letter of the CD-ROM varies depending on the computer. To identify the drive letter, double-click [My Computer] on the desktop.

3 Click [Continue].

The installation of the USB driver will start. When the installation is complete, a dialog box will appear, notifying you that the computer must be restarted.

4 Click [OK].

The computer will restart. If the Olympus Windows Installer appears, click [Close] and remove the CD-ROM from the CD-ROM drive.

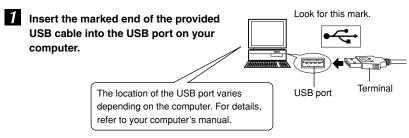




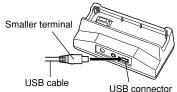
Connecting the camera to the computer

Users running Windows 98/98 SE need to install the USB driver before connecting the camera to your computer for the first time.

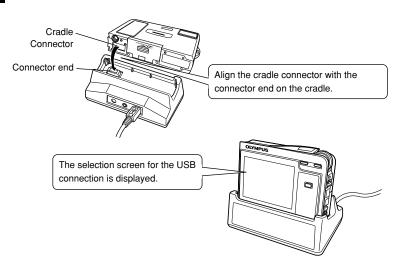
"Installing the USB driver for Windows 98" (P. 176)



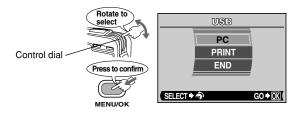
Insert the provided USB cable into the USB connector on the cradle.



3 Attach the camera to the cradle.



4 Rotate the control dial to select [PC] and press MENU/OK.



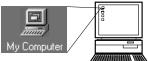
- If the selection screen disappears, press the POWER switch to turn the camera on again.
 Alternatively, you can detach the camera from the cradle, then repeat the procedure from step .
- The computer recognizes the camera as a new device.

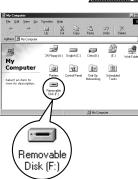
Windows 98/98 SE/Me/2000

When you connect the camera to the computer for the first time, the computer automatically recognizes the camera.

Click [OK] when the message saying that the installation is completed appears.

The computer recognizes the camera as a [Removable Disk].





10

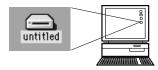
Windows XP

You can download image files from the camera easily. Select [Copy pictures to a folder on my computer using Microsoft Scanner and Camera Wizardl, then follow the on-screen instructions. You may also select [Take no action] to bypass the Microsoft Scanner and Camera Wizard. You may then use a more advanced image viewing/editing program such as Olympus CAMEDIA Master software. For detailed instructions on downloading, refer to the CAMEDIA Master software user's quide.

Mac OS 9

The [untitled] icon appears on the desktop. If you cannot find this icon, turn off the camera and connect again.





Mac OS X

The Apple Image Capture software automatically launches. The [NO NAME] icon appears on the desktop.



Notes

When the camera is connected to the computer, none of the camera buttons are functional.

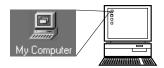
Downloading images to your computer

Download images to your computer.

Windows 98/98 SE/Me/2000/XP

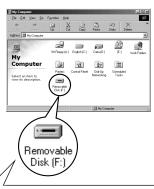
Double-click the [My Computer] icon on the desktop.

For users running Windows XP, click [My Computer] in the [Start] menu.



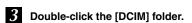
2 Double-click the [Removable Disk] icon.

If the computer recognizes the camera correctly, the [Removable Disk] icon will appear on the desktop.



If an error message appears when you double-click the icon, there may be a problem with one of the following:

- → The camera's power source (the AC adapter is not properly connected or the battery power is low.)
 - Make sure that the AC adapter is correctly connected or that the battery is not running
- → The card (there is no card in the camera or there is a problem with the card.) Check that you can play back images stored on the card on the monitor of your camera.





10

4

Double-click the [100OLYMP] folder.

Image files (JPEG files) with files names such as [P1010001.JPG] are displayed.



Double-click the [My Documents] icon on the desktop.

If you cannot find this icon, select [Explorer] to display the [Explorer] window on the [Start] menu, then double-click the [My Documents] icon.



The [My Documents] window is displayed.



Drag and drop the image file you want to save in the computer (in this case, P1010012.JPG) to the [My Documents] window.

The image is saved in the computer (in My Documents folder).

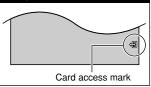


Viewing the image files -

When the image file has been downloaded to the computer, you can copy the image to any valid drive or folder on your computer' system, or you can view by double-clicking. The files will be opened in the default image viewer of the operating system. If you want to view the image a different size or process it, you will need to open the image with software that supports JPEG or TIFF images files, such as Paint Shop Pro, Photoshop or CAMEDIA Master software.

Notes on downloading images

The card access mark on the camera's monitor blinks while the image is being downloaded. Never remove the camera from the cradle, or disconnect the USB cable while the mark is blinking as the image files may be destroyed.

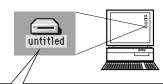


Macintosh

You can download images from the camera and save them in your computer (in this case, in the Hard Disk).



Double-click the [untitled] icon displayed on the desktop when the camera is connected to the computer.



If you cannot find this icon, or if an error message appears when you double-click the icon, there may be a problem with one of the following:

- → The camera's power source (the AC adapter is not properly connected or the battery power is low.)
- → The card (there is no card in the camera or there is a problem with the
 - Check that you can play back images on the monitor of your camera.
- → The USB cable (the camera is not properly connected to the computer by the USB cable.)

2 Double-click the [DCIM] folder.



3 Double-click the [100OLYMP] folder.



Image files (JPEG files) with files names such as [P1010001.JPG] are displayed.



4 Double-click the [Macintosh HD] icon on the desktop.

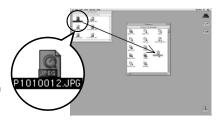


The [Hard Disk] window is displayed.



Drag and drop the image file you want to save in the computer (in this case, P1010012.JPG) to the [Hard Disk] window.

The image is saved in the computer (in the Hard disk).

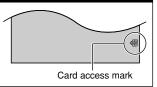


Viewing the image files -

When the image file has been downloaded to the computer, you can copy the image to any valid drive or folder on your computer' system, or you can view by double-clicking. The files will be opened in the default image viewer of the operating system. If you want to view the image a different size or process it, you will need to open the image with software that supports JPEG or TIFF images files, such as Paint Shop Pro, Photoshop or CAMEDIA Master software.

Notes on downloading images

The card access mark on the camera's monitor blinks while the image is being downloaded. Never remove the camera from the cradle, or disconnect the USB cable while the mark is blinking as the image files may be destroyed.



10

Mac OS X

When the computer has recognized the camera, the Apple Image Capture dialog box appears.

1 From the [Download To] menu, select a destination folder.



To download all images, click [Download All].
To selectively download images, click [Download Some] and highlight the desired images.

The images are transferred from the camera to your computer.

Downloading images using the same procedure as for Mac OS 9 -

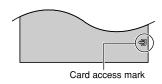
If you are operating Mac OS X and you want to download images using the same procedure as for Mac OS 9, select [File > Close] and exit the Apple Image Capture software. At this time, the camera is indicated as [unlabeled].

Precaution when using Apple Image Capture

If you use the Apple Image Capture software, images downloaded to your computer and transferred back to a card may not play back on the camera or may have other problems.

Disconnecting the camera from your computer

Make sure that the card access mark on the camera's monitor goes out.



- 2 Windows 98/98 SE:
 - Double-click the [My Computer] icon and rightclick the [Removable Disk] to display the menu.
 - 2 Click [Eject] on the menu.



Windows Me/2000/XP:

- In the System Tray, click the Remove Hardware icon
- Click on the message [Stop USB Mass Storage Device].
- 3 Click [OK] on the [Safe to Remove Hardware] window.





Macintosh:

- 1 Drag the [untitled] (or [NO_NAME]) icon on the desktop to [Trash].
- 2 The icon that shows the camera is communicating with the computer disappears.



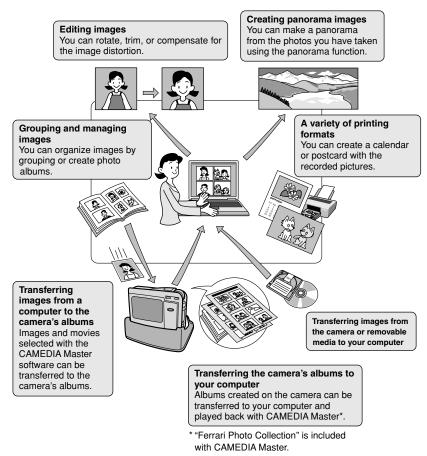
Precaution when disconnecting the camera from a computer

Windows Me/2000/XP: When you click [Unplug or Eject Hardware], the window may return the following message. In such case, make sure that no image data is being downloaded from the camera, and that there are no applications open that were accessing the camera image files. Close any such applications and click [Unplug or Eject Hardware] again and then remove the cable.



What you can do with the CAMEDIA Master software

The provided software CD includes the Olympus CAMEDIA Master software, the software for viewing and editing images. Once installed, you can take advantage of viewing and editing your images as shown below. For information on how to use the CAMEDIA Master software, see Help after installation.



Olympus CAMEDIA Master software is included on the provided CD-ROM. For details, refer to the CAMEDIA Master software user's guide.

Accessories

11 Accessories

AC adapter

The camera uses a cradle for recharging its battery. To power the camera from a common AC wall outlet, use the included Olympus CAMEDIA-brand AC adapter.

The provided AC adapter is exclusively for use with Olympus digital cameras that require 4.8V DC input. With the AC adapter plugged into a power outlet, you can operate your Olympus digital camera for an extended period of time indoors. When you use the adapter overseas, a multiplug is needed to fit into local power outlets. For details on multiplugs, consult a travel agency.

AC adapter precautions

- Use an AC adapter designed to operate on the AC voltage in the area the camera is being used.
- The AC adapter is exclusively for indoor use.
- Turn off the camera when disconnecting any power cables from the plug or wall outlet. Not doing so could affect the camera's internal settings or functions.
- The AC adapter may become hot when used, but this does not indicate a product malfunction.
- The AC adapter may emit a beeping sound, but this does not indicate a product malfunction.
- When using the AC adapter near a radio, your radio may experience electrical frequency interference. Keep the adapter as far from the radio as possible.

Main specifications

Input voltage : AC100 - 240V, 50/60Hz, 23 - 32VA, 13W

Output voltage : DC4.8V, 2.0A

Operating environment : $0 - 40^{\circ}\text{C}$ (32 - 104°F) Storage environment : $-10 - 70^{\circ}\text{C}$ (14 - 284°F)

Dimensions : 47mm (W) x 72mm (H) x 27mm (D) (1.9" x 2.8" x 1.1")

Weight : Approx. 160 g (0.4 lb) (excluding the power cable)

Cable length : Approx. 1.8m (20 yds)

Specifications are subject to change without notice or obligation by the manufacturer.

Accessories

The memory card (xD-Picture Card) is the ultra-compact data storage medium designed for digital cameras, and is for exclusive use with digital cameras compatible with the xD-Picture Card. The card can be also used with the computer as the PC card conforming to PC Card Standard ATA.

Precautions when using the card

- Never put the card where infants or toddlers can reach it as it could be accidentally swallowed.
- Improper use of the card could result in damage and loss of data on the card. Once lost, data cannot be restored. Be careful of the following when using the card.
 - Do not bend the card or subject it to physical shock or vibrations.
 - Do not store the card in areas of high temperature, high humidity, or high dust content.
 - · Do not get the card wet.
 - Do not touch the card's metal connector part, or touch it to any other metal.
 - Never turn off the power, disturb the card, or remove the card or battery while the card is writing/reading data.
- When the card is worn out from overuse, replace it with a new one.
- The card cannot be used if it is formatted on the computer or other devices. Be sure to format the card on your camera before use.

Main specifications

Memory type : NAND Flash EEP-ROM

Operating environment : Temperature 0 - 55°C (32 - 131°F) (operation)

-20 - 65°C (-4 - 149°F) (storage)

Humidity 95% or less

Drive voltage : 3V (3.3V)

Dimensions : Approx. 20mm (L) x 25mm (W) x 1.7mm (H)

(0.8" x 1.0" x 0.1")

12 Miscellaneous

Error codes

Monitor indication	Possible cause	Corrective action
NO CARD	The card is not inserted, or it cannot be recognized.	Insert a card or insert a different card. If the problem persists, format the card. If the card cannot be formatted, it cannot be used.
CARD ERROR	There is a problem with the card.	Use a different card. Insert a new card.
WRITE PROTECT	Writing to the card is prohibited.	The recorded image has been protected (read-only) on a PC. Download the image to a PC and cancel the read-only setting.
CARD FULL	The card is full. No more pictures, movies or information such as print reservations can be recorded.	Replace the card or erase unwanted pictures. Before erasing, download important images to a PC.
NO PICTURE	There are no pictures on the card.	The card contains no pictures. Record pictures.
PICTURE ERROR	There is a problem with the selected image and it cannot be played back on this camera.	Use image processing software to view the image on a PC. If that cannot be done, the image file is damaged.

Monitor indication	Possible cause	Corrective action
	The battery/card compartment cover is open.	Close the battery/card compartment cover.
CARD-COVER OPEN		
Y/M/D	The date and time are not set.	Set the date and time.
BATTERY EMPTY	The battery is drained.	Charge the battery.

12 Miscellaneous

Preparatory operation

The camera does not turn on or function buttons do not respond.		
Possible cause	Corrective action	Ref. Page
The power is off.	The camera automatically turns off if it is not operated for a certain period of time. Press the POWER switch to turn the camera on.	P. 30
The battery is drained.	Charge the battery.	P. 27
The battery is temporarily unable to function because of the cold.	Warm the battery by putting it in your pocket for a while.	_
The camera is connected to a PC.	The camera does not operate while it is connected to a PC. Disconnect the camera from the PC.	_

Shooting

No picture is taken when the	shutter button is pressed.	
Possible cause	Corrective action	Ref. Page
The battery is drained.	Charge the battery.	P. 27
The camera is in the playback mode.	Set the mode switch to any position except $lacktriangle$.	P. 30
The flash has not finished charging.	Remove your finger from the shutter button, and wait until the \$ mark stops blinking. Press the shutter button again.	
The card is full.	Erase unwanted images or insert a new card. Before erasing, download important images to a PC.	P. 93
The battery ran out of power during shooting or while the images were being written to the card. (The monitor turns off after BATTERY EMPTY is displayed.)	Charge the battery. (Wait until the card access mark turns off when blinking.)	P. 27
The memory gauge on the monitor is full.	Wait until there is room in the memory gauge.	P. 23
There is a problem with the card.	Refer to "Error codes".	P. 192

The monitor goes off.		
Possible cause	Corrective action	Ref. Page
The power is off.	The camera automatically turns off if it is not operated for a certain period of time. Press the POWER switch to turn the camera on.	P. 30

Colors look strange on the monitor during focusing.		
Possible cause	Corrective action	Ref. Page
Colors look strange on the monitor when the shutter button is pressed halfway.	This is not a malfunction. When focusing is successful, the correct colors will be displayed.	

The flash does not fire.		
Possible cause	Corrective action	Ref. Page
The flash is set to the flash off mode ③.	Select a different flash mode (not flash off 🏵).	P. 58
The subject is illuminated.	If you want the flash to fire on a brightly illuminated subject, set the flash to fill-in mode \$\.	P. 58
The camera is in the $ \mathfrak{A} $ (movie) mode.	The flash does not operate in the $^{\Omega}$ mode. Set the mode switch to $^{\square}$.	P. 30
SCENE SELECT is set to SCENE.	The flash does not operate depending on the situation-related shooting mode. Refer to "Using the situation-related shooting modes".	P. 42

The battery run time is brief.		
Possible cause	Corrective action	Ref. Page
You are using the camera in a cold environment.	Battery performance deteriorates in low temperatures. Keep the camera warm by putting it inside your coat or clothing.	1
The remaining battery power is not indicated correctly.	When battery consumption fluctuates greatly, the camera may turn off without displaying the battery warning indicator. Charge the battery.	P. 27

The monitor is hard to see.		
Possible cause	Corrective action	Ref. Page
Vertical lines appear on the monitor during shooting.	Aiming the camera at a bright subject in sunlight may cause vertical lines to appear on the monitor. This is not a malfunction.	_
The brightness is not adjusted properly.	Adjust the brightness in the SETUP menu's 🛄 .	P. 125
The monitor is exposed to direct sunlight.	Block the sunlight with your hand.	

The date recorded with the image data is wrong.		
Possible cause	Corrective action	Ref. Page
The date/time is not set.	Set the date/time in the SETUP menu's Θ . The clock is not preset at the factory.	P. 127
The camera has been left with the battery removed.	If the camera is left for about 1 day with the battery removed, the date/time setting is canceled. Set the date/time again.	P. 127

The picture is out of focus.		
Possible cause	Corrective action	Ref. Page
Auto focus is not possible.	Use focus lock to focus on the subject and then shoot.	P. 39
The subject is too close.	If the distance to the subject is 50 cm (1.6 ft.) or less, use MACRO ᠍. If the subject is as close as 30 cm (11.8"), use SUPER MACRO ᠍.	P. 48
There are water droplets on the lens or the lens is dirty.	Clean the lens. Use a commercially available blower blush and then wipe with a lens cleaner to remove dust. Mold may form on the lens surface if the lens is left dirty.	P. 200

● Playback

Possible cause	Corrective action	Ref. Page
The power is off.	The camera automatically turns off if it is not operated for a certain period of time. Press the POWER switch to turn the camera on.	P. 30
The camera is in the shooting mode.	Set the mode switch to 🗈 .	P. 30, 72
The brightness is not adjusted properly.	Adjust the brightness in the SETUP menu's 🛄 .	P. 125
There are no pictures on the card.	NO PICTURE appears on the monitor. Record pictures.	_
There is a problem with the card.	Refer to "Error codes".	P. 192
The camera is connected to a TV.	The monitor does not function when the AV cable is connected to the camera. Disconnect the AV cable from the cradle or detach the camera from the cradle.	P. 87

Single-frame erase and all-frame erase cannot be performed.				
Possible cause Corrective action Ref. Page				
The images are protected.	Set on to OFF.	P. 92		
The images are registered in the albums.	Perform UNDO ENTRY.	P. 111		

No picture is displayed on the TV when connected to the camera.			
Possible cause Corrective action Ref. Page			
The video output signal is incorrect.	Set the video output signal according to the region where used.	P. 129	
The TV video signal setting is incorrect.	Set the TV to the video input mode.	_	

The picture is too bright.			
Possible cause	Corrective action	Ref. Page	
The flash was set to the fill- in flash mode \$.	Select a different flash mode (not fill-in flash \$), then shoot.	P. 58	
The center of the subject was too dark.	If the center of the subject is too dark, the surrounding area emerges as too bright. Adjust the exposure compensation toward minus (–).	P. 65	

The misture is too doub		
The picture is too dark.	O	Def Deme
Possible cause	Corrective action	Ref. Page
The flash was blocked by your finger.	Hold the camera correctly, keeping your fingers away from the flash.	P. 31
The subject was out of the working range of the flash.	Shoot within the flash working range.	P. 59
The flash was set to the flash off mode ③.	Select a different flash mode (not flash off 🏵).	P. 58
The subject was too small and was backlit.	Set the flash to fill-in mode \$\(\beta \), or set METERING to SPOT.	P. 58, 64
Bright (white) subjects (such as snow) come out darker than their natural colors.	Set SCENE to BEACH & SNOW or adjust the exposure compensation toward plus (+).	P. 50, 65
The center of the subject was too bright.	If the center of the subject is too bright, the image as a whole emerges darker. Adjust the exposure compensation toward plus (+).	P. 65

The picture's colors look unnatural.			
Possible cause	Corrective action	Ref. Page	
Indoor lighting affected the picture's color.	Set the white balance appropriate to the lighting source.	P. 68	
No white in the picture.	Include something white in the picture, or shoot using the fill-in flash mode \$\frac{1}{2}\$.	P. 58	
The white balance setting is wrong.	Adjust the white balance according to the light source.	P. 68	

Part of the image is too dark.			
Possible cause	Corrective action	Ref. Page	
The lens was partly blocked	Hold the camera correctly, keeping your fingers	P. 31	
by your finger or the strap.	and the strap away from the lens.		

The picture is out of focus.		
Possible cause	Corrective action	Ref. Page
A subject unsuited to AF was taken.	Use focus lock to focus on the subject and then shoot.	P. 39
The flash was set to the flash off mode ③ in a light condition requiring use of the flash.	Select a different flash mode (not flash off ③). When shooting with the flash mode set to flash off ③, the shutter speeds decrease. Use a tripod or hold the camera steady.	P. 58
The camera moved when the shutter button was pressed.	Hold the camera steady, and press the shutter button gently. Camera movement is likely to occur at slower shutter speeds. During night shooting or shooting with the flash set to flash off mode ① in low light condition, use a tripod or hold the camera steady.	P. 31
The subject was too close.	If the distance to the subject is 50 cm (1.6 ft.) or less, use MACRO ☑. If the subject is as close as 30 cm (11.8"), use SUPER MACRO ☑.	P. 48
There are water droplets on the lens or the lens is dirty.	Clean the lens. Use a commercially available blower blush and then wipe with a lens cleaner to remove dust. Mold may form on the lens surface if the lens is left dirty.	P. 200

The monitor is hard to see.			
Possible cause	Corrective action	Ref. Page	
The brightness is not adjusted properly.	Adjust the brightness in the SETUP menu's 🛄 .	P. 125	
The monitor is exposed to direct sunlight.	Block the sunlight with your hand.	ı	

● Connection to a PC or Printer

The camera is not recognized by the printer.				
Possible cause	Possible cause Corrective action R			
PC was selected in the USB connection menu after connecting to the printer with a USB cable.	Disconnect the USB cable from the camera and start again from the beginning.	P. 147		
The printer is not compatible with PictBridge.	Refer to the printer's instruction manual, or consult the printer's manufacturer.	P. 146		

The camera is not recognized by the PC.				
Possible cause	ause Corrective action Ref. Page			
The USB driver has not been installed.	It is necessary to install the USB driver for Windows 98/98 SE.	P. 176		
The power is off.	Press the POWER switch to turn the camera on.	P. 30		

Cleaning the camera

1 Press the POWER switch to turn off the camera.

Make sure that the monitor is turned off.

2 Remove the battery and card. F. 26, 29

When using the AC adapter, first detach the camera from the cradle. Disconnect the AC adapter's cord plug from the cradle and unplug the AC adapter's power cord from the AC outlet

3 Exterior

Wipe gently with the cloth provided with the camera. If the camera is very dirty, soak a soft cloth in mild soapy water and wring well. Wipe the camera with the damp cloth and then dry it with a dry cloth. If you have used the camera at the beach, use a cloth soaked in clean water and well wrung.

Monitor

→ Wipe gently with a soft cloth.

Lens

→ Blow dust off the lens with a commercially available blower, then wipe gently with a lens cleaner.

Card

→ Wipe gently with the provided cloth.

Cleaning the cradle

• Blow dust off the connectors with a commercially available blower. Do not use water.

● Storage

- When storing the camera for extended periods, remove the battery and card. Store the camera in a cool, dry place that is well ventilated.
- Replace the battery periodically and test camera functions.

Notes on camera maintenance

- Do not use strong solvents such as benzene or alcohol, or chemically treated cloth.
- Before cleaning, be sure to remove the battery and cradle from the camera.
- Mold may form on the lens surface if the lens is left dirty.
- Avoid storing the camera in places where chemicals are treated, in order to protect the camera from corrosion.

Specifications

Camera

Product type :

: Digital camera (for shooting and displaying)

Recording system

Still picture : Digital recording, JPEG (in accordance with Design rule for Camera File

system (DCF))

Applicable : Exif 2.2, Digital Print Order Format (DPOF), PRINT Image Matching II, PictBridge

standards

Movie : QuickTime Motion JPEG support

Memory : xD-Picture Card. 16 MB to 512 MB

No. of storable : Still picture

pictures Approx. 20 frames (SUPER HIGH: 2048 x 1536 pixels)

(When using a 16 MB card) Approx. 33 frames (HIGH: 1600 x 1200 pixels) Approx. 58 frames (BASIC: 1024 x 768 pixels) Approx. 99 frames (E-MAIL: 640 x 480 pixels)

Movie

Approx. 41 seconds (STANDARD: 320 x 240 (15 frames/sec)) Approx. 149 seconds (EXTENDED: 160 x 120 (15 frames/sec))

No. of effective :3,200,000 pixels

pixels Image pickup

kup : 1/2.7" CCD solid-state image pickup 3,340,000 (gross)

device

: Olympus lens 5.8 mm to 17.4 mm, f2.9 to f4.9,

(equivalent to 38 mm to 114 mm lens on 35 mm camera)

Photometric : Digital ESP metering by image pickup device, Spot metering system

system

Lens

Shutter speed : 1/2 to 1/725 seconds (the slowest shutter speed is 4 seconds in certain

situation-related shooting modes)

Shooting range : Normal: 50 cm (1.6 ft.) to ∞, Macro mode: 30 cm (1.0 ft.) to ∞

: Approx. 160 g (0.4 lb) (without battery and card)

Monitor : 2.5" TFT color LCD display, Approx. 215,000 pixels

Operating environment

Temperature :0 to 40°C (32 to 104°F) (operation) -20 to 60°C (-4 to 140°F) (storage)

Humidity :30% to 90% (operation)

10% to 90% (storage)

Power supply : Only an Olympus LI-20B lithium-ion battery

AC adapter specified by Olympus :94 mm x 67 mm x 22 mm (3.7" x 2

(W) X (H) X (D)

: 94 mm x 67 mm x 22 mm (3.7" x 2.6" x 0.9") (excluding protrusions)

Weight Cradle

Connector : DC-IN jack, USB connector (mini-B), A/V OUT jack

Operating

environment : 10 to 40°C (50 to 104°F)

Dimensions : 108 mm x 42 mm x 63 mm (4.3" x 1.7" x 2.5")

(W) X (H) X (D)

Weight : Approx. 90 g (0.2 lb)

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT ANY NOTICE OR OBLIGATION ON THE PART OF THE MANUFACTURER.

Glossary

CCD (Charge-Coupled Device)

This converts light passing through the lens into electrical signals. With this camera, light is picked up and converted into RGB signals to build a single image.

DCF (Design rule for Camera File system)

A standard for image files by the Japan Electronics and Information Technology Industries Association (JEITA).

Digital ESP (Electro-Selective Pattern) Light Metering

This determines the exposure by metering and calculating the light levels in the center and other areas of the image separately. With this camera, this system works when the metering mode is set to AUTO.

DPOF (Digital Print Order Format)

This is for saving desired print settings on digital cameras. By entering which images to print and the number of copies of each, the user can easily have the desired images printed by a printer or print lab that supports the DPOF format.

EV (Exposure Value)

A system for measuring exposure. EV0 is when the aperture is at F1 and the shutter speed is 1 second. The EV then increases by 1 each time the aperture increases by one F stop or the shutter speed increases by one increment. EV can also be used to indicate brightness and ISO settings.

Exposure

The amount of light used to capture an image. The exposure is determined by the time the shutter is open (shutter speed) and the amount of light that passes through the lens (aperture).

JPEG (Joint Photographic Experts Group)

A compression format for color still images. Photographs (images) shot using this camera are recorded onto the card in JPEG format. By downloading these images to a personal computer, users can edit them using graphics application software or view the images using an Internet web browser.

NTSC (National Television Systems Committee) / PAL (Phase Alternating Line)

Television formats. NTSC is mainly used in Japan, North America and Korea. PAL is mainly used in Europe and China.

PictBridge

A standard that enables digital cameras and printers made by different manufacturers to be connected, and also allows pictures to be printed directly from the camera.

Pixels

A pixel is the smallest unit (dot) used to make up an image. Clear large-sized printed images require millions of pixels.

TFT (Thin-Film Transistor) Color Monitor

A transistor color monitor constructed using thin-film technology.

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● Shooting menu (mode)

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^{*1:} This item may not be selected depending on which situation-related shooting mode is selected from SCENE.

^{*2:} This item is not displayed when SCENE SELECT is set to SCENE.

^{*3:} Settings differ depending on the region where the camera is sold.

[:] Factory default setting

Shooting menu (⋒ mode)

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^{*1:} Settings differ depending on the region where the camera is sold.

: Factory default setting

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: Factory default setting

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^{*1 :} Not displayed during still picture playback.

: Factory default setting

Notes

The factory default setting varies depending on which situation-related shooting mode is selected from SCENE.

^{*2 :} Not displayed during movie playback.

^{*3:} Displayed during album playback.

^{*4 :} Not displayed during album playback.

^{*5 :} Settings differ depending on the region where the camera is sold.

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for Austria, Belgium, Denmark, Finland, France, Germany, Italy, Luxemburg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom

* Please note some (mobile) phone services/provider do not permit access or request an additional prefix to +800 numbers.

For all not listed European Countries and in case that you can't get connected to the above mentioned number please make use of the following

CHARGED NUMBERS: +49 180 5 - 67 10 83 or +49 40 - 237 73 899

Our Technical Customer Support is available from 9 am to 6 pm MET (Monday to Friday)